

UNCLASSIFIED

**Department of Defense
Fiscal Year (FY) 2023 Budget Estimates**

April 2022



Navy

Justification Book Volume 1 of 3

Aircraft Procurement, Navy

Budget Activities 01–04

UNCLASSIFIED

The estimated cost of this report for the Department of the Navy (DON) is \$289,076.

The estimated total cost for supporting the DON budget justification material is approximately \$4,190,764 during the 2022 fiscal year. This includes \$88,845 in supplies and \$4,101,919 in labor.

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Table of Volumes

Budget Activities 01-04.....Volume 1

Budget Activity 05.....Volume 2

Budget Activities 06-07.....Volume 3

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Volume 1 Table of Contents

Introduction and Explanation of Contents.....Volume 1 - v

Comptroller Exhibit P-1.....Volume 1 - vii

Master Line Item Table of Contents (by Appropriation then Line Number)..... Volume 1 - xxxv

Master Line Item Table of Contents (Alphabetically by Line Item Title)..... Volume 1 - xli

Exhibit P-40s..... Volume 1 - 1

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Department of Defense Appropriations Act, 2023

Aircraft Procurement, Navy

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$16,848,428,000, to remain available for obligation until September 30, 2025.

Fiscal Year (FY) 2023 Overseas Operations Costs funding accounted for in the Base budget include:

- In-theater and in-CONUS expenses that remain after combat operations cease and have been previously funded in OCO \$5,823,000.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation -----	FY 2021 (Base + OCO) -----	FY 2022 Less Supplementals Enactment -----	FY 2022 Division B Division C P.L.117-43 Enactment* -----	FY 2022 Division B P.L.117-70 Enactment** -----
Aircraft Procurement, Navy	19,435,733	17,799,321		
Total Department of the Navy	19,435,733	17,799,321		

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation -----	FY 2022 Division A P.L. 117-86 Enactment*** -----	FY 2022 Division N P.L. 117-103 Enactment**** -----	FY 2022 Total Supplemental Enactment -----	FY 2022 Total Enactment -----
Aircraft Procurement, Navy				17,799,321
Total Department of the Navy				17,799,321

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation -----	FY 2023 Request -----
Aircraft Procurement, Navy	16,848,428
Total Department of the Navy	16,848,428

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2021 (Base + OCO) -----	FY 2022 Less Supplementals Enactment -----	FY 2022 Division B Division C P.L.117-43 Enactment* -----	FY 2022 Division B Division B P.L.117-70 Enactment** -----
01. Combat Aircraft	11,315,911	9,305,292		
03. Trainer Aircraft	185,893	163,490		
04. Other Aircraft	1,358,064	1,446,062		
05. Modification of Aircraft	3,605,541	3,675,292		
06. Aircraft Spares and Repair Parts	2,202,986	2,295,603		
07. Aircraft Support Equip & Facilities	767,338	913,582		
Total Aircraft Procurement, Navy	19,435,733	17,799,321		

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2022 Division A P.L. 117-86 Enactment*** -----	FY 2022 Division N P.L. 117-103 Enactment**** -----	FY 2022 Total Supplemental Enactment -----	FY 2022 Total Enactment -----
01. Combat Aircraft				9,305,292
03. Trainer Aircraft				163,490
04. Other Aircraft				1,446,062
05. Modification of Aircraft				3,675,292
06. Aircraft Spares and Repair Parts				2,295,603
07. Aircraft Support Equip & Facilities				913,582
Total Aircraft Procurement, Navy				17,799,321

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

Budget Activity -----	FY 2023 Request -----
01. Combat Aircraft	7,195,256
03. Trainer Aircraft	243,033
04. Other Aircraft	1,986,439
05. Modification of Aircraft	4,397,511
06. Aircraft Spares and Repair Parts	1,872,417
07. Aircraft Support Equip & Facilities	1,153,772
Total Aircraft Procurement, Navy	16,848,428

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity Cost	FY 2022 Less Supplementals Enactment Quantity Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity Cost	FY 2022 Division B P.L.117-70 Enactment** Quantity Cost	S e c
Budget Activity 01: Combat Aircraft							

Combat Aircraft							
1	F/A-18E/F (Fighter) Hornet	A	24 (1,778,554)	12 (977,161)			U
	Less: Advance Procurement (PY)		(-53,154)				U
			-----	-----	-----	-----	
			1,725,400	977,161			
2	Joint Strike Fighter CV	A	26 (3,030,327)	20 (2,369,128)			U
	Less: Advance Procurement (PY)		(-280,530)	(-280,204)			U
			-----	-----	-----	-----	
			2,749,797	2,088,924			
3	Joint Strike Fighter CV						
	Advance Procurement (CY)		326,147	185,695			U
	C (FY 2021 for FY 2022) (M)		(249,370)				
	C (FY 2021 for FY 2023) (M)		(76,777)				
	C (FY 2022 for FY 2023) (M)			(185,695)			
	C (FY 2023 for FY 2024) (M)						
	C (FY 2023 for FY 2025) (M)						
	C (FY 2023 for FY 2026) (M)						
	C (FY 2023 for FY 2027) (M)						
4	JSF STOVL		10 (1,387,384)	17 (2,450,068)			U
	Less: Advance Procurement (PY)		(-249,554)	(-260,785)			U
			-----	-----	-----	-----	
			1,137,830	2,189,283			
5	JSF STOVL						
	Advance Procurement (CY)		303,035	216,814			U
	C (FY 2021 for FY 2022) (M)		(239,660)				
	C (FY 2021 for FY 2023) (M)		(63,375)				
	C (FY 2022 for FY 2023) (M)			(216,814)			
	C (FY 2023 for FY 2024) (M)						

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity Cost	FY 2022 Total Supplemental Enactment Quantity Cost	FY 2022 Total Enactment Quantity Cost	S e c
Budget Activity 01: Combat Aircraft							
Combat Aircraft							
1	F/A-18E/F (Fighter) Hornet	A				12 (977,161)	U
	Less: Advance Procurement (PY)						U
						977,161	
2	Joint Strike Fighter CV	A				20 (2,369,128)	U
	Less: Advance Procurement (PY)					(-280,204)	U
						2,088,924	
3	Joint Strike Fighter CV						
	Advance Procurement (CY)					185,695	U
	C (FY 2021 for FY 2022) (M)						
	C (FY 2021 for FY 2023) (M)						
	C (FY 2022 for FY 2023) (M)					(185,695)	
	C (FY 2023 for FY 2024) (M)						
	C (FY 2023 for FY 2025) (M)						
	C (FY 2023 for FY 2026) (M)						
	C (FY 2023 for FY 2027) (M)						
4	JSF STOVL					17 (2,450,068)	U
	Less: Advance Procurement (PY)					(-260,785)	U
						2,189,283	
5	JSF STOVL						
	Advance Procurement (CY)					216,814	U
	C (FY 2021 for FY 2022) (M)						
	C (FY 2021 for FY 2023) (M)						
	C (FY 2022 for FY 2023) (M)					(216,814)	
	C (FY 2023 for FY 2024) (M)						

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2023 Request Quantity	Cost	S e c
----	-----	-----	-----	-----	-----
Budget Activity 01: Combat Aircraft -----					
Combat Aircraft					
1	F/A-18E/F (Fighter) Hornet	A		(90,865)	U
	Less: Advance Procurement (PY)				U

				90,865	
2	Joint Strike Fighter CV	A	13	(1,953,676)	U
	Less: Advance Procurement (PY)			(-290,161)	U

				1,663,515	
3	Joint Strike Fighter CV				
	Advance Procurement (CY)			387,596	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2021 for FY 2023) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(289,598)	
	C (FY 2023 for FY 2025) (M)			(32,666)	
	C (FY 2023 for FY 2026) (M)			(32,666)	
	C (FY 2023 for FY 2027) (M)			(32,666)	
4	JSF STOVL		15	(2,210,949)	U
	Less: Advance Procurement (PY)			(-301,314)	U

				1,909,635	
5	JSF STOVL				
	Advance Procurement (CY)			200,118	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2021 for FY 2023) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(200,118)	

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line		Ident	FY 2021		FY 2022		FY 2022		FY 2022		
No	Item Nomenclature	Code	(Base + OCO)		Supplementals		Division B		Division B		
----	-----	----	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost	
----	-----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----
6	CH-53K (Heavy Lift)	A	9	(1,322,631)	11	(1,687,582)					U
	Less: Advance Procurement (PY)			(-215,014)		(-201,188)					U
				-----		-----		-----		-----	
				1,107,617		1,486,394					
7	CH-53K (Heavy Lift)										
	Advance Procurement (CY)			201,188		182,903					U
	C (FY 2021 for FY 2022) (M)			(201,188)							
	C (FY 2022 for FY 2023) (M)					(182,903)					
	C (FY 2023 for FY 2024) (M)										
8	V-22 (Medium Lift)		13	(1,263,314)	12	(1,103,574)					U
	Less: Advance Procurement (PY)			(-26,083)		(-39,547)					U
				-----		-----		-----		-----	
				1,237,231		1,064,027					
9	V-22 (Medium Lift)										
	Advance Procurement (CY)			39,547							U
	C (FY 2021 for FY 2022) (M)			(39,547)							
10	H-1 Upgrades (UH-1Y/AH-1Z)	A		3,816		939					U
11	P-8A Poseidon	A	9	1,575,000		44,595					U
12	E-2D Adv Hawkeye	A	5	(961,629)	5	(944,475)					U
	Less: Advance Procurement (PY)			(-175,492)		(-194,856)					U
				-----		-----		-----		-----	
				786,137		749,619					
13	E-2D Adv Hawkeye										
	Advance Procurement (CY)			123,166		118,938					U
	C (FY 2021 for FY 2022) (M)			(117,697)							
	C (FY 2021 for FY 2023) (M)			(5,469)							
	C (FY 2022 for FY 2023) (M)					(118,938)					
				-----		-----		-----		-----	
Total	Combat Aircraft			11,315,911		9,305,292					

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line			FY 2022	FY 2022	FY 2022					
No	Item Nomenclature	Ident	Division A	Division N	Total			FY 2022		S
			P.L. 117-86	P.L. 117-103	Supplemental			Total		e
			Enactment***	Enactment****	Enactment			Enactment		c
		Code	Quantity	Cost	Quantity	Cost	Quantity	Cost	Quantity	Cost
			-----	----	-----	----	-----	----	-----	----
6	CH-53K (Heavy Lift)	A						11	(1,687,582)	U
	Less: Advance Procurement (PY)								(-201,188)	U
			-----	----	-----	----			-----	
									1,486,394	
7	CH-53K (Heavy Lift)									
	Advance Procurement (CY)								182,903	U
	C (FY 2021 for FY 2022) (M)									
	C (FY 2022 for FY 2023) (M)								(182,903)	
	C (FY 2023 for FY 2024) (M)									
8	V-22 (Medium Lift)							12	(1,103,574)	U
	Less: Advance Procurement (PY)								(-39,547)	U
			-----	----	-----	----			-----	
									1,064,027	
9	V-22 (Medium Lift)									
	Advance Procurement (CY)									U
	C (FY 2021 for FY 2022) (M)									
10	H-1 Upgrades (UH-1Y/AH-1Z)	A							939	U
11	P-8A Poseidon	A							44,595	U
12	E-2D Adv Hawkeye	A						5	(944,475)	U
	Less: Advance Procurement (PY)								(-194,856)	U
			-----	----	-----	----			-----	
									749,619	
13	E-2D Adv Hawkeye									
	Advance Procurement (CY)								118,938	U
	C (FY 2021 for FY 2022) (M)									
	C (FY 2021 for FY 2023) (M)									
	C (FY 2022 for FY 2023) (M)								(118,938)	
			-----	----	-----	----			-----	
Total	Combat Aircraft								9,305,292	

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No -----	Item Nomenclature -----	Ident Code -----	FY 2023 Request Quantity	Cost	S e c -
6	CH-53K (Heavy Lift)	A	10	(1,852,889)	U
	Less: Advance Procurement (PY)			(-182,903)	U

				1,669,986	
7	CH-53K (Heavy Lift)				
	Advance Procurement (CY)			357,824	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(357,824)	
8	V-22 (Medium Lift)			(31,795)	U
	Less: Advance Procurement (PY)				U

				31,795	
9	V-22 (Medium Lift)				
	Advance Procurement (CY)				U
	C (FY 2021 for FY 2022) (M)				
10	H-1 Upgrades (UH-1Y/AH-1Z)	A			U
11	P-8A Poseidon	A		41,521	U
12	E-2D Adv Hawkeye	A	5	(1,043,967)	U
	Less: Advance Procurement (PY)			(-201,566)	U

				842,401	
13	E-2D Adv Hawkeye				
	Advance Procurement (CY)				U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2021 for FY 2023) (M)				
	C (FY 2022 for FY 2023) (M)				

	Total Combat Aircraft			7,195,256	

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity	Cost	FY 2022 Less Supplementals Enactment Quantity	Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity	Cost	FY 2022 Division B Division B P.L.117-70 Enactment** Quantity	Cost	S e c
Budget Activity 03: Trainer Aircraft											

Trainer Aircraft											
14	Multi-Engine Training System (METS)	A									U
15	Advanced Helicopter Training System	A	36	185,893	36	163,490					U
				-----		-----		-----		-----	
Total Trainer Aircraft				185,893		163,490					
Budget Activity 04: Other Aircraft											

Other Aircraft											
16	KC-130J	A	5	(461,341)	6	(599,311)					U
	Less: Advance Procurement (PY)			(-85,783)		(-87,022)					U
				-----		-----		-----		-----	
				375,558		512,289					
17	KC-130J										
	Advance Procurement (CY)			67,022		68,088					U
	C (FY 2021 for FY 2022) (M)			(67,022)							
	C (FY 2022 for FY 2023) (M)					(68,088)					
	C (FY 2023 for FY 2024) (M)										
18	E-6B	B	1	16,000							U
19	MQ-4 Triton	A	1	(293,072)	2	(483,151)					U
	Less: Advance Procurement (PY)			(-36,106)							U
				-----		-----		-----		-----	
				256,966		483,151					
20	MQ-4 Triton										
	Advance Procurement (CY)										U
	C (FY 2023 for FY 2024) (M)										

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity	Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity	Cost	FY 2022 Total Supplemental Enactment Quantity	Cost	FY 2022 Total Enactment Quantity	Cost	S e c
Budget Activity 03: Trainer Aircraft											
Trainer Aircraft											
14	Multi-Engine Training System (METS)	A									U
15	Advanced Helicopter Training System	A							36	163,490	U
Total Trainer Aircraft										163,490	
Budget Activity 04: Other Aircraft											
Other Aircraft											
16	KC-130J	A							6	(599,311)	U
	Less: Advance Procurement (PY)									(-87,022)	U
										512,289	
17	KC-130J										
	Advance Procurement (CY)									68,088	U
	C (FY 2021 for FY 2022) (M)										
	C (FY 2022 for FY 2023) (M)									(68,088)	
	C (FY 2023 for FY 2024) (M)										
18	E-6B	B									U
19	MQ-4 Triton	A							2	(483,151)	U
	Less: Advance Procurement (PY)										U
										483,151	
20	MQ-4 Triton										
	Advance Procurement (CY)										U
	C (FY 2023 for FY 2024) (M)										

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2023 Request Quantity	Cost	S e c
----	-----	-----	-----	-----	-----
Budget Activity 03: Trainer Aircraft -----					
Trainer Aircraft					
14	Multi-Engine Training System (METS)	A	10	123,217	U
15	Advanced Helicopter Training System	A	26	119,816	U

Total Trainer Aircraft				243,033	
Budget Activity 04: Other Aircraft -----					
Other Aircraft					
16	KC-130J	A	5	(539,589)	U
	Less: Advance Procurement (PY)			(-100,088)	U

				439,501	
17	KC-130J				
	Advance Procurement (CY)			29,122	U
	C (FY 2021 for FY 2022) (M)				
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(29,122)	
18	E-6B	B			U
19	MQ-4 Triton	A	3	(587,820)	U
	Less: Advance Procurement (PY)				U

				587,820	
20	MQ-4 Triton				
	Advance Procurement (CY)			75,235	U
	C (FY 2023 for FY 2024) (M)			(75,235)	

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity	Cost	FY 2022 Less Supplementals Enactment Quantity	Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity	Cost	FY 2022 Division B P.L.117-70 Enactment** Quantity	Cost	S e c
21	MQ-8 UAV	B		34,759		49,249					U
22	STUASLO UAV			30,121		13,151					U
23	MQ-25	A									U
	Less: Advance Procurement (PY)										U
24	MQ-25										
	Advance Procurement (CY)					47,468					U
	C (FY 2022 for FY 2023) (M)					(47,468)					
	C (FY 2023 for FY 2024) (M)										
25	Marine Group 5 UAS	A			8	272,666					U
26	VH-92A Executive Helo		5	577,638							U
Total	Other Aircraft			1,358,064		1,446,062					
Budget Activity 05: Modification of Aircraft											
Modification of Aircraft											
27	F-18 A-D Unique	A		183,713		162,095					U
28	F-18E/F and EA-18G Modernization and Sustainm	A		399,348		445,721					U
29	Marine Group 5 UAS Series	A				1,982					U
30	AEA Systems			21,061		20,221					U
31	AV-8 Series	A		29,540		14,793					U
32	Infrared Search and Track (IRST)	A		97,426		120,377					U

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity	Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity	Cost	FY 2022 Total Supplemental Enactment Quantity	Cost	FY 2022 Total Enactment Quantity	Cost	S e c
21	MQ-8 UAV	B							49,249		U
22	STUASL0 UAV								13,151		U
23	MQ-25	A									U
	Less: Advance Procurement (PY)										U
24	MQ-25										
	Advance Procurement (CY)								47,468		U
	C (FY 2022 for FY 2023) (M)								(47,468)		
	C (FY 2023 for FY 2024) (M)										
25	Marine Group 5 UAS	A						8	272,666		U
26	VH-92A Executive Helo										U
Total Other Aircraft									1,446,062		
Budget Activity 05: Modification of Aircraft											
Modification of Aircraft											
27	F-18 A-D Unique	A							162,095		U
28	F-18E/F and EA-18G Modernization and Sustainm	A							445,721		U
29	Marine Group 5 UAS Series	A							1,982		U
30	AEA Systems								20,221		U
31	AV-8 Series	A							14,793		U
32	Infrared Search and Track (IRST)	A							120,377		U

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2023 Request Quantity	Cost	S e c
----	-----	-----	-----	-----	-----
21	MQ-8 UAV	B			U
22	STUASL0 UAV			2,703	U
23	MQ-25	A	4	(744,181)	U
	Less: Advance Procurement (PY)			(-47,468)	U

				696,713	
24	MQ-25				
	Advance Procurement (CY)			51,463	U
	C (FY 2022 for FY 2023) (M)				
	C (FY 2023 for FY 2024) (M)			(51,463)	
25	Marine Group 5 UAS	A	5	103,882	U
26	VH-92A Executive Helo				U

	Total Other Aircraft			1,986,439	
Budget Activity 05: Modification of Aircraft					

Modification of Aircraft					
27	F-18 A-D Unique	A		141,514	U
28	F-18E/F and EA-18G Modernization and Sustainm	A		572,681	U
29	Marine Group 5 UAS Series	A		86,116	U
30	AEA Systems			25,058	U
31	AV-8 Series	A		26,657	U
32	Infrared Search and Track (IRST)	A		144,699	U

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity	Cost	FY 2022 Less Supplementals Enactment Quantity	Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity	Cost	FY 2022 Division B P.L.117-70 Enactment** Quantity	Cost	S e c
----	-----	----	-----	----	-----	----	-----	----	-----	----	-
33	Adversary	A		34,179		137,930					U
34	F-18 Series	A		367,890		324,399					U
35	H-53 Series	A		74,134		109,106					U
36	MH-60 Series	A		147,391		94,794					U
37	H-1 Series	A		134,427		118,857					U
38	EP-3 Series	A		26,602		28,848					U
39	E-2 Series	A		165,675		199,991					U
40	Trainer A/C Series	A		7,085		7,849					U
41	C-2A	A		5,295		2,843					U
42	C-130 Series	A		118,830		142,610					U
43	FEWSG	A		684		734					U
44	Cargo/Transport A/C Series	A		8,911		5,371					U
45	E-6 Series	A		188,922		113,301					U
46	Executive Helicopters Series	A		25,970		40,158					U
47	T-45 Series	A		154,409		155,579					U
48	Power Plant Changes	A		28,439		24,915					U
49	JPATS Series	A		22,682		20,958					U
50	Aviation Life Support Mods	A		45,333		2,477					U
51	Common ECM Equipment	A		129,760		119,574					U

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity	Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity	Cost	FY 2022 Total Supplemental Enactment Quantity	Cost	FY 2022 Total Enactment Quantity	Cost	S e c
----	-----	-----	-----	----	-----	----	-----	----	-----	----	-
33	Adversary	A							137,930		U
34	F-18 Series	A							324,399		U
35	H-53 Series	A							109,106		U
36	MH-60 Series	A							94,794		U
37	H-1 Series	A							118,857		U
38	EP-3 Series	A							28,848		U
39	E-2 Series	A							199,991		U
40	Trainer A/C Series	A							7,849		U
41	C-2A	A							2,843		U
42	C-130 Series	A							142,610		U
43	FEWSG	A							734		U
44	Cargo/Transport A/C Series	A							5,371		U
45	E-6 Series	A							113,301		U
46	Executive Helicopters Series	A							40,158		U
47	T-45 Series	A							155,579		U
48	Power Plant Changes	A							24,915		U
49	JPATS Series	A							20,958		U
50	Aviation Life Support Mods	A							2,477		U
51	Common ECM Equipment	A							119,574		U

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No ----	Item Nomenclature -----	Ident Code -----	FY 2023 Request Quantity -----	Cost -----	S e c -
33	Adversary	A		105,188	U
34	F-18 Series	A		480,663	U
35	H-53 Series	A		40,151	U
36	MH-60 Series	A		126,238	U
37	H-1 Series	A		122,498	U
38	EP-3 Series	A		8,492	U
39	E-2 Series	A		188,897	U
40	Trainer A/C Series	A		9,568	U
41	C-2A	A			U
42	C-130 Series	A		132,170	U
43	FEWSG	A		695	U
44	Cargo/Transport A/C Series	A		10,902	U
45	E-6 Series	A		129,049	U
46	Executive Helicopters Series	A		55,265	U
47	T-45 Series	A		201,670	U
48	Power Plant Changes	A		24,685	U
49	JPATS Series	A		19,780	U
50	Aviation Life Support Mods	A		1,143	U
51	Common ECM Equipment	A		129,722	U

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity	Cost	FY 2022 Less Supplementals Enactment Quantity	Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity	Cost	FY 2022 Division B P.L.117-70 Enactment** Quantity	Cost	S e c
52	Common Avionics Changes	A	123,341		103,006						U
53	Common Defensive Weapon System	A	5,419		5,476						U
54	ID Systems	A	35,938		13,154						U
55	P-8 Series		66,954		115,998						U
56	MAGTF EW for Aviation	A	26,822		29,151						U
57	MQ-8 Series		28,704		31,624						U
58	V-22 (Tilt/Rotor ACFT) Osprey	B	320,584		310,512						U
59	Next Generation Jammer (NGJ)	A	163,735		255,393						U
60	F-35 STOVL Series	A	131,797		161,776						U
61	F-35 CV Series	A	86,740		118,933						U
62	QRC	A	146,654		93,563						U
63	MQ-4 Series	A	3,584		7,100						U
64	RQ-21 Series	A	7,794		14,123						U
65	DON Other 3 (TTNT)	A	18,733								U
66	DON Other 4 (TTNT)	A	18,037								U
67	DON Other 6 (TTNT)	A	2,999								U
Total Modification of Aircraft			3,605,541		3,675,292						

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity	Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity	Cost	FY 2022 Total Supplemental Enactment Quantity	Cost	FY 2022 Total Enactment Quantity	Cost	S e c
----	-----	----	-----	----	-----	----	-----	----	-----	----	-
52	Common Avionics Changes	A							103,006		U
53	Common Defensive Weapon System	A							5,476		U
54	ID Systems	A							13,154		U
55	P-8 Series								115,998		U
56	MAGTF EW for Aviation	A							29,151		U
57	MQ-8 Series								31,624		U
58	V-22 (Tilt/Rotor ACFT) Osprey	B							310,512		U
59	Next Generation Jammer (NGJ)	A							255,393		U
60	F-35 STOVL Series	A							161,776		U
61	F-35 CV Series	A							118,933		U
62	QRC	A							93,563		U
63	MQ-4 Series	A							7,100		U
64	RQ-21 Series	A							14,123		U
65	DON Other 3 (TTNT)	A									U
66	DON Other 4 (TTNT)	A									U
67	DON Other 6 (TTNT)	A									U
	Total Modification of Aircraft								3,675,292		

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2023 Request Quantity	Cost	S e c
----	-----	-----	-----	-----	-----
52	Common Avionics Changes	A		136,883	U
53	Common Defensive Weapon System	A		6,373	U
54	ID Systems	A		3,828	U
55	P-8 Series			249,342	U
56	MAGTF EW for Aviation	A		24,684	U
57	MQ-8 Series			9,846	U
58	V-22 (Tilt/Rotor ACFT) Osprey	B		207,621	U
59	Next Generation Jammer (NGJ)	A		401,563	U
60	F-35 STOVL Series	A		216,356	U
61	F-35 CV Series	A		208,336	U
62	QRC	A		47,864	U
63	MQ-4 Series	A		94,738	U
64	RQ-21 Series	A		6,576	U
65	DON Other 3 (TTNT)	A			U
66	DON Other 4 (TTNT)	A			U
67	DON Other 6 (TTNT)	A			U
Total Modification of Aircraft				4,397,511	

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2021 (Base + OCO) Quantity	Cost	FY 2022 Less Supplementals Enactment Quantity	Cost	FY 2022 Division B Division C P.L.117-43 Enactment* Quantity	Cost	FY 2022 Division B Division B P.L.117-70 Enactment** Quantity	Cost	S e c
----	-----	----	-----	----	-----	----	-----	----	-----	----	-
Budget Activity 06: Aircraft Spares and Repair Parts											

Aircraft Spares and Repair Parts											
68	Spares and Repair Parts	A	2,202,986		2,295,603						U
			-----		-----						
Total Aircraft Spares and Repair Parts			2,202,986		2,295,603						
Budget Activity 07: Aircraft Support Equip & Facilities											

Aircraft Support Equip & Facilities											
69	Common Ground Equipment	A	502,871		497,438						U
70	Aircraft Industrial Facilities	A	75,685		80,500						U
71	War Consumables	A	40,553		42,496						U
72	Other Production Charges	A	18,037		21,374						U
73	Special Support Equipment	A	129,879		271,774						U
74	Cancelled Account Adjustments	A	313								U
			-----		-----						
Total Aircraft Support Equip & Facilities			767,338		913,582						
			-----		-----						
Total Aircraft Procurement, Navy			19,435,733		17,799,321						

*Includes enacted funding pursuant to the Extending Government Funding and Delivering Emergency Assistance Act (Public Law 117-43).

**Includes enacted funding pursuant to the Further Extending Government Funding Act (Public Law 117-70).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2022 Division A P.L. 117-86 Enactment*** Quantity Cost	FY 2022 Division N P.L. 117-103 Enactment**** Quantity Cost	FY 2022 Total Supplemental Enactment Quantity Cost	FY 2022 Total Enactment Quantity Cost	S e c
Budget Activity 06: Aircraft Spares and Repair Parts							

Aircraft Spares and Repair Parts							
68	Spares and Repair Parts	A	-----	-----	-----	2,295,603	U

Total Aircraft Spares and Repair Parts						2,295,603	
Budget Activity 07: Aircraft Support Equip & Facilities							

Aircraft Support Equip & Facilities							
69	Common Ground Equipment	A				497,438	U
70	Aircraft Industrial Facilities	A				80,500	U
71	War Consumables	A				42,496	U
72	Other Production Charges	A				21,374	U
73	Special Support Equipment	A				271,774	U
74	Cancelled Account Adjustments	A					U

Total Aircraft Support Equip & Facilities						913,582	

Total Aircraft Procurement, Navy						17,799,321	

***Includes enacted funding pursuant to the Further Additional Extending Government Funding Act (Public Law 117-86).

****Includes enacted funding pursuant to the Ukraine Supplemental Appropriations Act (Public Law 117-103).

UNCLASSIFIED

Department of the Navy
FY 2023 President's Budget
Exhibit P-1 FY 2023 President's Budget
Total Obligational Authority
(Dollars in Thousands)

Appropriation: 1506N Aircraft Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2023 Request	S e
-----	-----	-----	Quantity Cost	c
-----	-----	-----	-----	-----
Budget Activity 06: Aircraft Spares and Repair Parts				

Aircraft Spares and Repair Parts				
68	Spares and Repair Parts	A	1,872,417	U

Total Aircraft Spares and Repair Parts			1,872,417	
Budget Activity 07: Aircraft Support Equip & Facilities				

Aircraft Support Equip & Facilities				
69	Common Ground Equipment	A	542,214	U
70	Aircraft Industrial Facilities	A	101,559	U
71	War Consumables	A	40,316	U
72	Other Production Charges	A	46,403	U
73	Special Support Equipment	A	423,280	U
74	Cancelled Account Adjustments	A		U
Total Aircraft Support Equip & Facilities			-----	
			1,153,772	

Total Aircraft Procurement, Navy			16,848,428	

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Master Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	01	0145	FA-18E/F.....	Volume 1 - 1
2	01	01	0147	Joint Strike Fighter CV.....	Volume 1 - 13
3	01	01	0147	Joint Strike Fighter CV, Advance Procurement.....	Volume 1 - 35
4	01	01	0152	JSF STOVL.....	Volume 1 - 43
5	01	01	0152	JSF STOVL, Advance Procurement.....	Volume 1 - 57
6	01	01	0158	CH-53K (Heavy Lift).....	Volume 1 - 63
7	01	01	0158	CH-53K (Heavy Lift), Advance Procurement.....	Volume 1 - 77
8	01	01	0164	V-22 (Medium Lift).....	Volume 1 - 85
9	01	01	0164	V-22 (Medium Lift), Advance Procurement.....	Volume 1 - 103
10	01	01	0178	UH-1Y/AH-1Z.....	Volume 1 - 109
11	01	01	0193	P-8A Poseidon.....	Volume 1 - 119
12	01	01	0195	E-2D AHE.....	Volume 1 - 129
13	01	01	0195	E-2D AHE, Advance Procurement.....	Volume 1 - 141

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
14	03	01	0343	Multi-Engine Training System (METS).....	Volume 1 - 145
15	03	01	0344	Advanced Helicopter Training System.....	Volume 1 - 153

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
16	04	01	0416	KC-130J.....	Volume 1 - 163
17	04	01	0416	KC-130J, Advance Procurement.....	Volume 1 - 175
18	04	01	0435	E-6B.....	Volume 1 - 181
19	04	01	0442	MQ-4 TRITON.....	Volume 1 - 185
20	04	01	0442	MQ-4 TRITON, Advance Procurement.....	Volume 1 - 199
21	04	01	0443	MQ-8 UAV.....	Volume 1 - 205
22	04	01	0444	STUASLO.....	Volume 1 - 209
23	04	01	0449	MQ-25.....	Volume 1 - 217
24	04	01	0449	MQ-25, Advance Procurement.....	Volume 1 - 227

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
25	04	01	0452	Marine Group 5 UAS.....	Volume 1 - 233
26	04	01	0455	VH-92A Executive Helo.....	Volume 1 - 241

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
27	05	01	0502	F-18 A-D Unique.....	Volume 2 - 1
28	05	01	0505	F-18E/F and EA-18G Modernization and Sustainment.....	Volume 2 - 35
29	05	01	0507	Marine Group 5 UAS Series.....	Volume 2 - 75
30	05	01	0513	AEA Systems.....	Volume 2 - 89
31	05	01	0514	AV-8 Series.....	Volume 2 - 95
32	05	01	0515	Infrared Search and Track (IRST).....	Volume 2 - 113
33	05	01	0522	Adversary.....	Volume 2 - 117
34	05	01	0525	F-18 Series.....	Volume 2 - 139
35	05	01	0528	H-53 Series.....	Volume 2 - 215
36	05	01	0530	MH-60 Series.....	Volume 2 - 247
37	05	01	0532	H-1 Series.....	Volume 2 - 279

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
38	05	01	0537	EP-3 Series.....	Volume 2 - 307
39	05	01	0544	E-2 Series.....	Volume 2 - 317
40	05	01	0549	Trainer Acft Series.....	Volume 2 - 377
41	05	01	0556	C-2A.....	Volume 2 - 401
42	05	01	0560	C-130 Series.....	Volume 2 - 415
43	05	01	0561	Flt Elect Wrfr Supt Grp (FEWSG).....	Volume 2 - 449
44	05	01	0562	Cargo/Transport Acft Series.....	Volume 2 - 455
45	05	01	0564	E-6 Series.....	Volume 2 - 473
46	05	01	0566	Executive Helicopters Series.....	Volume 2 - 527
47	05	01	0569	T-45 Series.....	Volume 2 - 545
48	05	01	0570	Power Plant Changes.....	Volume 2 - 591
49	05	01	0571	JT Primary Acft Trnr Sys (JPATS).....	Volume 2 - 597
50	05	01	0575	Aviation Life Support Mods.....	Volume 2 - 615
51	05	01	0576	Common ECM Equipment.....	Volume 2 - 629
52	05	01	0577	Common Avionics Changes.....	Volume 2 - 655
53	05	01	0581	Common Defensive Weapon System.....	Volume 2 - 693
54	05	01	0582	ID Sys.....	Volume 2 - 701
55	05	01	0586	P-8 Series.....	Volume 2 - 707

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
56	05	01	0587	MAGTF EW for Aviation.....	Volume 2 - 731
57	05	01	0588	MQ-8 Series.....	Volume 2 - 739
58	05	01	0590	V-22 (Tilt/Rotor Acft) Osprey.....	Volume 2 - 759
59	05	01	0591	Next Generation Jammer (NGJ).....	Volume 2 - 805
60	05	01	0592	F-35 STOVL Series.....	Volume 2 - 815
61	05	01	0593	F-35 CV Series.....	Volume 2 - 849
62	05	01	0595	QRC.....	Volume 2 - 883
63	05	01	0596	MQ-4 Series.....	Volume 2 - 885
64	05	01	0598	RQ-21 Series.....	Volume 2 - 903

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
68	06	01	0605	Spares and Repair Parts.....	Volume 3 - 1

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Appropriation 1506N: Aircraft Procurement, Navy

Line #	BA	BSA	Line Item Number	Line Item Title	Page
69	07	01	0705	Common Ground Equipment.....	Volume 3 - 11
70	07	01	0715	Aircraft Industrial Facilities.....	Volume 3 - 61
71	07	01	0720	War Consumables.....	Volume 3 - 69
72	07	01	0725	Other Production Charges.....	Volume 3 - 79
74	07	01	0790	Cancelled Account Adjustments.....	Volume 3 - 87

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Master Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AEA Systems	0513	30	05	01.....	Volume 2 - 89
AV-8 Series	0514	31	05	01.....	Volume 2 - 95
Advanced Helicopter Training System	0344	15	03	01.....	Volume 1 - 153
Adversary	0522	33	05	01.....	Volume 2 - 117
Aircraft Industrial Facilities	0715	70	07	01.....	Volume 3 - 61
Aviation Life Support Mods	0575	50	05	01.....	Volume 2 - 615
C-130 Series	0560	42	05	01.....	Volume 2 - 415
C-2A	0556	41	05	01.....	Volume 2 - 401
CH-53K (Heavy Lift)	0158	6	01	01.....	Volume 1 - 63
CH-53K (Heavy Lift), Advance Procurement	0158	7	01	01.....	Volume 1 - 77
Cancelled Account Adjustments	0790	74	07	01.....	Volume 3 - 87
Cargo/Transport Acft Series	0562	44	05	01.....	Volume 2 - 455
Common Avionics Changes	0577	52	05	01.....	Volume 2 - 655
Common Defensive Weapon System	0581	53	05	01.....	Volume 2 - 693
Common ECM Equipment	0576	51	05	01.....	Volume 2 - 629
Common Ground Equipment	0705	69	07	01.....	Volume 3 - 11
E-2 Series	0544	39	05	01.....	Volume 2 - 317

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
E-2D AHE	0195	12	01	01.....	Volume 1 - 129
E-2D AHE, Advance Procurement	0195	13	01	01.....	Volume 1 - 141
E-6 Series	0564	45	05	01.....	Volume 2 - 473
E-6B	0435	18	04	01.....	Volume 1 - 181
EP-3 Series	0537	38	05	01.....	Volume 2 - 307
Executive Helicopters Series	0566	46	05	01.....	Volume 2 - 527
F-18 A-D Unique	0502	27	05	01.....	Volume 2 - 1
F-18 Series	0525	34	05	01.....	Volume 2 - 139
F-18E/F and EA-18G Modernization and Sustainment	0505	28	05	01.....	Volume 2 - 35
F-35 CV Series	0593	61	05	01.....	Volume 2 - 849
F-35 STOVL Series	0592	60	05	01.....	Volume 2 - 815
FA-18E/F	0145	1	01	01.....	Volume 1 - 1
Flt Elect Wrfr Supt Grp (FEWSG)	0561	43	05	01.....	Volume 2 - 449
H-1 Series	0532	37	05	01.....	Volume 2 - 279
H-53 Series	0528	35	05	01.....	Volume 2 - 215
ID Sys	0582	54	05	01.....	Volume 2 - 701
Infrared Search and Track (IRST)	0515	32	05	01.....	Volume 2 - 113
JSF STOVL	0152	4	01	01.....	Volume 1 - 43
JSF STOVL, Advance Procurement	0152	5	01	01.....	Volume 1 - 57
JT Primary Acft Trnr Sys (JPATS)	0571	49	05	01.....	Volume 2 - 597

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Joint Strike Fighter CV	0147	2	01	01.....	Volume 1 - 13
Joint Strike Fighter CV, Advance Procurement	0147	3	01	01.....	Volume 1 - 35
KC-130J	0416	16	04	01.....	Volume 1 - 163
KC-130J, Advance Procurement	0416	17	04	01.....	Volume 1 - 175
MAGTF EW for Aviation	0587	56	05	01.....	Volume 2 - 731
MH-60 Series	0530	36	05	01.....	Volume 2 - 247
MQ-25	0449	23	04	01.....	Volume 1 - 217
MQ-25, Advance Procurement	0449	24	04	01.....	Volume 1 - 227
MQ-4 Series	0596	63	05	01.....	Volume 2 - 885
MQ-4 TRITON	0442	19	04	01.....	Volume 1 - 185
MQ-4 TRITON, Advance Procurement	0442	20	04	01.....	Volume 1 - 199
MQ-8 Series	0588	57	05	01.....	Volume 2 - 739
MQ-8 UAV	0443	21	04	01.....	Volume 1 - 205
Marine Group 5 UAS	0452	25	04	01.....	Volume 1 - 233
Marine Group 5 UAS Series	0507	29	05	01.....	Volume 2 - 75
Multi-Engine Training System (METS)	0343	14	03	01.....	Volume 1 - 145
Next Generation Jammer (NGJ)	0591	59	05	01.....	Volume 2 - 805
Other Production Charges	0725	72	07	01.....	Volume 3 - 79
P-8 Series	0586	55	05	01.....	Volume 2 - 707
P-8A Poseidon	0193	11	01	01.....	Volume 1 - 119

UNCLASSIFIED

UNCLASSIFIED

Navy • Budget Estimates FY 2023 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Power Plant Changes	0570	48	05	01.....	Volume 2 - 591
QRC	0595	62	05	01.....	Volume 2 - 883
RQ-21 Series	0598	64	05	01.....	Volume 2 - 903
STUASLO	0444	22	04	01.....	Volume 1 - 209
Spares and Repair Parts	0605	68	06	01.....	Volume 3 - 1
T-45 Series	0569	47	05	01.....	Volume 2 - 545
Trainer Acft Series	0549	40	05	01.....	Volume 2 - 377
UH-1Y/AH-1Z	0178	10	01	01.....	Volume 1 - 109
V-22 (Medium Lift)	0164	8	01	01.....	Volume 1 - 85
V-22 (Medium Lift), Advance Procurement	0164	9	01	01.....	Volume 1 - 103
V-22 (Tilt/Rotor Acft) Osprey	0590	58	05	01.....	Volume 2 - 759
VH-92A Executive Helo	0455	26	04	01.....	Volume 1 - 241
War Consumables	0720	71	07	01.....	Volume 3 - 69

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0145 / FA-18E/F					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: 0204136N, 0604269N, 0305207N, 0604270N, 0204154N				
Line Item MDAP/MAIS Code: 000												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	654	24	12	-	-	-	-	-	-	-	-	690
Gross/Weapon System Cost (\$ <i>in Millions</i>)	50,523.970	1,778.554	977.161	90.865	0.000	90.865	84.386	2.748	33.579	0.000	-	53,491.263
Less PY Advance Procurement (\$ <i>in Millions</i>)	106.948	53.154	-	-	-	-	-	-	-	-	-	160.102
Net Procurement (P-1) (\$ <i>in Millions</i>)	50,417.022	1,725.400	977.161	90.865	0.000	90.865	84.386	2.748	33.579	0.000	-	53,331.161
Plus CY Advance Procurement (\$ <i>in Millions</i>)	160.102	-	-	-	-	-	-	-	-	-	-	160.102
Total Obligation Authority (\$ <i>in Millions</i>)	50,577.124	1,725.400	977.161	90.865	0.000	90.865	84.386	2.748	33.579	0.000	-	53,491.263
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ <i>in Millions</i>)	-	158.355	138.377	22.358	-	22.358	134.504	136.442	-	-	-	590.036
Flyaway Unit Cost (\$ <i>in Thousands</i>)	66,186.823	67,161.542	74,231.500	-	-	-	-	-	-	-	-	66,519.057
Gross/Weapon System Unit Cost (\$ <i>in Thousands</i>)	77,253.777	74,106.417	81,430.083	-	-	-	-	-	-	-	-	77,523.570
Description: The F/A-18E/F Naval Strike Fighter is a twin-engine, mid-wing, multi-mission tactical aircraft. F/A-18E/F can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18E/F is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy							Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0145 / FA-18E/F					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: 0204136N, 0604269N, 0305207N, 0604270N, 0204154N				
Line Item MDAP/MAIS Code: 000										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / 0145 F/A-18 E/F MYP	P-5a, P-21			654 / 50,523.970	24 / 1,778.554	12 / 977.161	- / 90.865	- / 0.000	- / 90.865
P-40	Total Gross/Weapon System Cost				654 / 50,523.970	24 / 1,778.554	12 / 977.161	- / 90.865	- / 0.000	- / 90.865
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: The FY 2023 request is for the Production Engineering and Integrated Logistics Support for government production-related engineering operations and logistics operations support through delivery of the final Lot 46/FY2022 aircraft. FY 2023 Production Line Shutdown funds costs associated with Aircraft Contractor Furnished Equipment (CFE), Government Furnish Equipment/Government Furnished Property (GFE/GFP) which includes planning and administration of the physical disposition of tools and equipment, data transition, supplier close-out, government and contractor labor. FY 2022 is the last year of procurement of the E/F aircraft.										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy														Date: April 2022							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0145 / FA-18E/F							Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity (<i>Units in Each</i>)				654			24			12			-			-					
Gross/Weapon System Cost (<i>\$ in Millions</i>)				50,523.970			1,778.554			977.161			90.865			0.000			90.865		
Less PY Advance Procurement (<i>\$ in Millions</i>)				106.948			53.154			-			-			-			-		
Net Procurement (P-1) (<i>\$ in Millions</i>)				50,417.022			1,725.400			977.161			90.865			0.000			90.865		
Plus CY Advance Procurement (<i>\$ in Millions</i>)				160.102			-			-			-			-			-		
Total Obligation Authority (<i>\$ in Millions</i>)				50,577.124			1,725.400			977.161			90.865			0.000			90.865		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (<i>\$ in Millions</i>)				-			158.355			138.377			22.358			-			22.358		
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)				77,253.777			74,106.417			81,430.083			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†)	40,314.252	654	26,365.521	39,629.877	24	951.117	45,327.583	12	543.931	-	-	-	-	-	-	-	-	-			
1.1.2) CFE Electronics	5,801.778	654	3,794.363	10,828.330	24	259.880	11,266.000	12	135.192	-	-	-	-	-	-	-	-	-			
1.1.3) GFE Electronics	1,834.394	654	1,199.694	2,456.792	24	58.963	2,529.667	12	30.356	-	-	-	-	-	-	-	-	-			
1.1.4) Engines/Eng Acc ^(†)	4,089.892	1,308	5,349.579	4,614.042	48	221.474	4,842.458	24	116.219	-	-	-	-	-	-	-	-	-			
1.1.5) Armament	262.844	654	171.900	459.661	24	11.032	531.833	12	6.382	-	-	-	-	-	-	-	-	-			
1.1.6) Other GFE	541.370	654	354.056	651.250	24	15.630	960.583	12	11.527	-	-	-	-	-	-	-	-	-			
1.1.7) Rec Flyaway ECO	705.229	654	461.220	543.432	24	13.042	565.917	12	6.791	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost	-	-	37,696.333	-	-	1,531.138	-	-	850.398	-	-	-	-	-	-	-	-	-			
Non Recurring Cost																					
1.2.1) Non-Recur Cost	-	-	1,714.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.2.2) Ancillary Equip	-	-	3,875.355	-	-	80.739	-	-	40.380	-	-	-	-	-	-	-	-	-			
1.2.3) Production Line Shutdown ⁽¹⁾	-	-	-	-	-	-	-	-	-	-	-	19.800	-	-	-	-	-	19.800			
Subtotal: Non Recurring Cost	-	-	5,589.849	-	-	80.739	-	-	40.380	-	-	19.800	-	-	-	-	-	19.800			
Subtotal: Flyaway Cost	-	-	43,286.182	-	-	1,611.877	-	-	890.778	-	-	19.800	-	-	-	-	-	19.800			
Support Cost																					
2.1) Airframe PGSE	-	-	415.177	-	-	7.090	-	-	3.616	-	-	-	-	-	-	-	-	-			
2.2) Engine PGSE	-	-	144.767	-	-	3.856	-	-	1.966	-	-	-	-	-	-	-	-	-			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0145 / FA-18E/F						Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE	-	-	445.924	-	-	4.139	-	-	2.111	-	-	-	-	-	-	-	-	-
2.4) Pec Trng Eq	-	-	827.920	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Pub/Tech Eq	-	-	405.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) Prod Eng Supt ⁽²⁾	-	-	2,972.011	-	-	106.114	-	-	52.282	-	-	45.056	-	-	-	-	-	45.056
2.7) Other ILS ⁽³⁾	-	-	2,026.483	-	-	45.478	-	-	26.408	-	-	26.009	-	-	-	-	-	26.009
Subtotal: Support Cost	-	-	7,237.788	-	-	166.677	-	-	86.383	-	-	71.065	-	-	-	-	-	71.065
Gross/Weapon System Cost	77,253.777	654	50,523.970	74,106.417	24	1,778.554	81,430.083	12	977.161	-	-	90.865	-	-	0.000	-	-	90.865
<div>(†) indicates the presence of a P-5a</div> <div>Footnotes:</div> <div>(1) FY2023 through FY2026 Production Line Shutdown funds costs associated with Aircraft Contractor Furnished Equipment (CFE), Government Furnish Equipment/Government Furnished Property (GFE/GFP) which includes planning and administration of the physical disposition of tools and equipment, data transition, supplier close-out, government and contractor labor.</div> <div>(2) Production Engineering Support in FYs 2022-2024 funds government production-related engineering operations and support through delivery of the final Lot 46/FY2022 aircraft.</div> <div>(3) Integrated Logistics Support in FYs 2022-2024 funds government production-related logistics operations and support through delivery of the final Lot 46/FY2022 aircraft.</div>																		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0145 / FA-18E/F				Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2016	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Feb 2017	Jan 2018	5	39,030.000	Y		Jan 2016
1.1.1) Airframe/CFE ^(†)		2017	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Sep 2017	Aug 2018	12	43,833.985	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)	✓	2017	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Sep 2017	Aug 2018	2	43,833.985	Y		Oct 2016
1.1.1) Airframe/CFE ^(†)		2018 ⁽⁴⁾	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Jun 2018	Apr 2019	24	38,315.167	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)		2019	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Mar 2019	Jul 2021	24	40,469.125	Y		Dec 2017
1.1.1) Airframe/CFE ^(†)		2020	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Dec 2019	Sep 2022	24	40,269.421	Y		Dec 2017
1.1.1) Airframe/CFE ^(†)		2021	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Dec 2020	Sep 2023	24	39,629.877	Y		Dec 2017
1.1.1) Airframe/CFE ^(†)		2022	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Jan 2023	Dec 2024	12	45,327.583	Y		
1.1.4) Engines/Eng Acc ^(†)		2016	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Mar 2017	May 2017	10	4,200.000	Y		Jan 2016
1.1.4) Engines/Eng Acc ^(†)		2017	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Sep 2017	Mar 2018	24	4,014.000	Y		Mar 2017
1.1.4) Engines/Eng Acc ^(†)	✓	2017	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Apr 2017	Jan 2018	4	4,014.000	Y		Oct 2016
1.1.4) Engines/Eng Acc ^(†)		2018	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Mar 2018	Jul 2018	48	4,437.396	Y		Oct 2017
1.1.4) Engines/Eng Acc ^(†)		2019	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Jun 2019	Jan 2021	48	4,821.104	Y		Dec 2018
1.1.4) Engines/Eng Acc ^(†)		2020	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Dec 2019	Jan 2022	48	4,489.375	Y		Dec 2018
1.1.4) Engines/Eng Acc ^(†)		2021	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Dec 2020	Jan 2023	48	4,614.042	Y		Dec 2019
1.1.4) Engines/Eng Acc ^(†)		2022	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	May 2022	Jan 2024	24	4,842.458	N		

^(†) indicates the presence of a P-21

Footnotes:

⁽⁴⁾ FY18 Lot 42 was procured in two separate buys. Eighteen (18) aircraft were procured in June 2018; the remaining six (6) aircraft were procured in March 2019.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP														
Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018												BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT				Calendar Year 2017												Calendar Year 2018												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1.1.1) Airframe/CFE																																		
Prior Years Deliveries: 563																																		
	1	2016	NAVY	5	0	5					A -	-	-	-	-	-	-	-	-	-	2	2	1								0			
	1	2017	NAVY	12	0	12											A -	-	-	-	-	-	-	-	-	-	-	1	1		10			
✓	1	2017	NAVY	2	0	2											A -	-	-	-	-	-	-	-	-	-	-	-	1	1		0		
	1	2018	NAVY	24 ⁽⁵⁾	0	24																					A -	-	-	-		24		
	1	2019	NAVY	24	0	24																										24		
	1	2020	NAVY	24	0	24																										24		
	1	2021	NAVY	24	0	24																										24		
	1	2022	NAVY	12	0	12																										12		
1.1.4) Engines/Eng Acc																																		
Prior Years Deliveries: 1126																																		
	2	2016	NAVY	10	0	10					A -	-	1	1	1	1	1	1	1	1	1	1	1								0			
	2	2017	NAVY	24	0	24											A -	-	-	-	-	-	-	4	4	4	4	4	2	2		0		
✓	2	2017	NAVY	4	0	4					A -	-	-	-	-	-	-	-	-	-	2	2										0		
	2	2018	NAVY	48 ⁽⁶⁾	0	48																	A -	-	-	-	-	1	2	4		41		
	2	2019	NAVY	48	0	48																										48		
	2	2020	NAVY	48	0	48																										48		
	2	2021	NAVY	48	0	48																										48		
	2	2022	NAVY	24	0	24																										24		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020												BALANCE							
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT				Calendar Year 2019										Calendar Year 2020																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL		AUG	SEP					
1.1.1) Airframe/CFE																																				
Prior Years Deliveries: 563																																				
	1	2016	NAVY	5	5	0																											0			
	1	2017	NAVY	12	2	10	2	2	2	2	2																						0			
✓	1	2017	NAVY	2	2	0																											0			
	1	2018	NAVY	24 ⁽⁵⁾	0	24	-	-	-	-	-	-	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	6					
	1	2019	NAVY	24	0	24						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24					
	1	2020	NAVY	24	0	24																A	-	-	-	-	-	-	-	-	-	-	-	-	-	24
	1	2021	NAVY	24	0	24																											24			
	1	2022	NAVY	12	0	12																											12			
1.1.4) Engines/Eng Acc																																				
Prior Years Deliveries: 1126																																				
	2	2016	NAVY	10	10	0																											0			
	2	2017	NAVY	24	24	0																											0			
✓	2	2017	NAVY	4	4	0																											0			
	2	2018	NAVY	48 ⁽⁶⁾	7	41	4	4	3	2	2	2	2	1	1	2	3	3	4	4	4											0				
	2	2019	NAVY	48	0	48							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48					
	2	2020	NAVY	48	0	48																A	-	-	-	-	-	-	-	-	-	-	-	-	-	48
	2	2021	NAVY	48	0	48																											48			
	2	2022	NAVY	24	0	24																											24			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																								Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F														Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2021											Fiscal Year 2022													BALANCE								
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021											Calendar Year 2022																					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP									
1.1.1) Airframe/CFE																																							
Prior Years Deliveries: 563																																							
	1	2016	NAVY	5	5	0																										0							
	1	2017	NAVY	12	12	0																										0							
✓	1	2017	NAVY	2	2	0																										0							
	1	2018	NAVY	24 ⁽⁵⁾	18	6	-	-	-	2	2	2																				0							
	1	2019	NAVY	24	0	24	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	0									
	1	2020	NAVY	24	0	24			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	23									
	1	2021	NAVY	24	0	24			-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24									
	1	2022	NAVY	12	0	12																										12							
1.1.4) Engines/Eng Acc																																							
Prior Years Deliveries: 1126																																							
	2	2016	NAVY	10	10	0																										0							
	2	2017	NAVY	24	24	0																										0							
✓	2	2017	NAVY	4	4	0																										0							
	2	2018	NAVY	48 ⁽⁶⁾	48	0																										0							
	2	2019	NAVY	48	0	48	-	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0									
	2	2020	NAVY	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	4	4	12									
	2	2021	NAVY	48	0	48			-	-	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48									
	2	2022	NAVY	24	0	24																						A -	-	-	-	-	-						24
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP									

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F													Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023													Fiscal Year 2024													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT				Calendar Year 2023													Calendar Year 2024													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE																																				
Prior Years Deliveries: 563																																				
	1	2016	NAVY	5	5	0																										0				
	1	2017	NAVY	12	12	0																										0				
✓	1	2017	NAVY	2	2	0																										0				
	1	2018	NAVY	24 ⁽⁵⁾	24	0																										0				
	1	2019	NAVY	24	24	0																										0				
	1	2020	NAVY	24	1	23	2	2	2	2	2	2	2	2	2	2	1																0			
	1	2021	NAVY	24	0	24	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	2	2	2	2	2	2	5						
	1	2022	NAVY	12	0	12				A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12						
1.1.4) Engines/Eng Acc																																				
Prior Years Deliveries: 1126																																				
	2	2016	NAVY	10	10	0																										0				
	2	2017	NAVY	24	24	0																										0				
✓	2	2017	NAVY	4	4	0																										0				
	2	2018	NAVY	48 ⁽⁶⁾	48	0																										0				
	2	2019	NAVY	48	48	0																										0				
	2	2020	NAVY	48	36	12	4	4	4																							0				
	2	2021	NAVY	48	0	48	-	-	-	4	4	4	4	4	4	4	4	4	4	4													0			
	2	2022	NAVY	24	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4								0			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																
Cost Elements (Units in Each)							Fiscal Year 2025													Fiscal Year 2026													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT				Calendar Year 2025													Calendar Year 2026													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE																																				
Prior Years Deliveries: 563																																				
	1	2016	NAVY	5	5	0																										0				
	1	2017	NAVY	12	12	0																										0				
✓	1	2017	NAVY	2	2	0																										0				
	1	2018	NAVY	24 ⁽⁵⁾	24	0																										0				
	1	2019	NAVY	24	24	0																										0				
	1	2020	NAVY	24	24	0																										0				
	1	2021	NAVY	24	19	5																										2	2	1		
	1	2022	NAVY	12	0	12	-	-	1	2	2	2	2	2	1														0							
1.1.4) Engines/Eng Acc																																				
Prior Years Deliveries: 1126																																				
	2	2016	NAVY	10	10	0																										0				
	2	2017	NAVY	24	24	0																										0				
✓	2	2017	NAVY	4	4	0																										0				
	2	2018	NAVY	48 ⁽⁶⁾	48	0																										0				
	2	2019	NAVY	48	48	0																										0				
	2	2020	NAVY	48	48	0																										0				
	2	2021	NAVY	48	48	0																										0				
	2	2022	NAVY	24	24	0	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	0					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0145 / FA-18E/F					Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing Co. - St. Louis, MO	24	48	72	0	3	28	31	0	0	0	0
2	General Electric Company - Lynn, MA	48	120	144	0	3	12	15	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽⁵⁾ FY18 Lot 42 was procured in two separate buys. Eighteen (18) aircraft were procured in June 2018; the remaining six (6) aircraft were procured in March 2019. Break in delivery schedule in CY19-CY20 are planned to be mitigated by FMS deliveries. These deliveries will cover the gaps and maintain the production line without additional cost to the US government.

⁽⁶⁾ Due to contracting timelines, the FY18 engine procurement was executed in two separate contractual actions, and therefore, have two separate delivery schedules. The engine delivery schedule shows delivery of only 36 engines. The additional 12 FY18 engines will be delivered Oct - Dec CY20, at a rate of 4 per month. These deliveries cannot be displayed on the P-21 due to PDOCS system limitations. Breaks in delivery schedule in CY19 -CY20 are mitigated by FMS deliveries. These deliveries will cover the gaps and maintain the production line without additional cost to the US government

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146N					Other Related Program Elements: 0204146M				
Line Item MDAP/MAIS Code: 198												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	118	26	20	13	-	13	19	19	19	18	117	369
Gross/Weapon System Cost (<i>\$ in Millions</i>)	21,741.989	3,030.327	2,369.128	1,953.676	0.000	1,953.676	2,450.306	2,331.142	2,450.161	2,333.857	15,155.057	53,815.643
Less PY Advance Procurement (<i>\$ in Millions</i>)	1,802.494	280.530	280.204	290.161	-	290.161	289.598	217.985	213.282	200.135	689.114	4,263.503
Net Procurement (P-1) (<i>\$ in Millions</i>)	19,939.495	2,749.797	2,088.924	1,663.515	0.000	1,663.515	2,160.708	2,113.157	2,236.879	2,133.722	14,465.943	49,552.140
Plus CY Advance Procurement (<i>\$ in Millions</i>)	2,141.547	326.147	185.695	387.596	-	387.596	315.866	147.980	134.833	149.232	474.607	4,263.503
Total Obligation Authority (<i>\$ in Millions</i>)	22,081.042	3,075.944	2,274.619	2,051.111	0.000	2,051.111	2,476.574	2,261.137	2,371.712	2,282.954	14,940.550	53,815.643
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	99.280	113.822	91.309	-	91.309	21.258	58.103	82.842	115.155	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Thousands</i>)	156,624.568	100,129.269	101,346.850	112,141.308	-	112,141.308	109,860.421	109,420.000	109,031.632	110,204.444	119,200.214	126,660.889
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	184,254.144	116,551.038	118,456.400	150,282.769	-	150,282.769	128,963.474	122,691.684	128,955.842	129,658.722	129,530.402	145,841.851

Description:

Joint Strike Fighter (JSF) program will enhance and field a family of aircraft that meets the needs of DoD and allies with three air vehicle variants including: the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing variant, and the F-35C Carrier Variant (CV) delivering commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DON) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters and provide increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and can employ superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to sole source air vehicle and propulsion contracts. DAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.

For the Marine Corps, this is a CMC Force Design program. The F-35C provides critical flexibility and operational maneuverability operating from conventional aircraft carriers or land bases. The Marine Corps currently has one F-35C operational squadron and will stand up another three squadrons across the FYDP.

Notes:

(1) FY10 and prior quantity and funding for F-35B and F-35C were reported under same Budget Line Item (BLI) 0147. Result is 29 F-35B aircraft (6 - FY08; 7 - FY09; and 16 - FY10) and 340 F-35C aircraft are included in the BLI 0147 budget. FY11 is the first year F-35B are reported under BLI 0152. Calendar Year Advance Procurement for FY10 F-35B aircraft was included in the FY10 F-35C budget. The Advance Procurement Credit for FY10 F-35B aircraft was included in the FY11 F-35B budget.

(2) The F-35C Carrier Variant (CV) Initial Operational Capability (IOC) occurred in February 2019 and Full Rate Production (FRP) decision will occur after completion of Initial Operational Test and Evaluation (IOT&E).

(3) Starting in PB22 FY22 and forward, Exhibit P-5, P-5a, P-21, and P-10 are separated into Joint Strike Fighter-CV USN and Joint Strike Fighter-CV USMC

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146N			Other Related Program Elements: 0204146M				
Line Item MDAP/MAIS Code: 198										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Joint Strike Fighter-CV USN	P-5a, P-21			118 / 21,741.989	26 / 3,030.327	15 / 1,750.292	9 / 1,446.201	- / 0.000	9 / 1,446.201
P-5	2 / Joint Strike Fighter-CV USMC	P-5a, P-21			- / 0.000	- / 0.000	5 / 618.836	4 / 507.475	- / 0.000	4 / 507.475
P-40	Total Gross/Weapon System Cost				118 / 21,741.989	26 / 3,030.327	20 / 2,369.128	13 / 1,953.676	- / 0.000	13 / 1,953.676
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p>Justification:</p> <p>BASIS FOR FY 2023 BUDGET REQUEST: The FY 2023 budget provides funding for 13 F-35C Aircraft and associated non-recurring and ancillary mission equipment to support delivery. The budget request also supports the advanced procurement and support requirements required for squadron standup and associated training and logistical requirements.</p> <p>Non-recurring flyaway costs for FY 2023 include costs for tooling required to support full production capacity for hardware associated with delivering Block IV capabilities. Non-recurring also includes funding to address diminishing manufacturing sources (DMS) which include costs to manage DMS issues, procurement of bridge or life-of-type buys, and if cost-benefit analysis supports non-recurring engineering to implement DMS redesigns within the performance envelope to the production line. Other non-recurring costs include chase support for government acceptance flights, systems engineering for production line efforts and production readiness reviews to address program risks and cost reduction initiatives.</p> <p>Support costs in FY 2023 include costs that are fixed in nature and do not fluctuate with aircraft quantities in particular years. For F-35C, these costs include peculiar ground support equipment to support squadron and site stand-ups. FY 2023 support cost request includes equipment for an increase in aircraft quantity towards maximum Primary Authorized Aircraft (PAA) for the Fleet Readiness Squadron at Naval Air Station Lemoore.</p> <p>The Department is implementing a new strategy to replace the Autonomic Logistics Information System (ALIS) with the F-35 Operational Data Integrated Network (ODIN), a modern F-35 logistics and maintenance system. Hardware being procured is compatible with both ALIS and ODIN software.</p> <p>Intermediate Level maintenance capability is also included in peculiar ground support equipment and this capability is specific to the Department of the Navy.</p> <p>Depot activation efforts continue in FY 2023 increasing repair capacity necessary for long-term sustainment of F-35 aircraft. FY 2023 request includes additional special test equipment and initial depot repair material to support establishment of initial depot repair capability and repair capacity increases for components/sub-components across all US Depots, support equipment for air vehicle modification dock expansion at Fleet Readiness Center East, and the first of four years of Block IV depot repair capability funding. FY 2023 also includes funding for continued propulsion depot standup at numerous U.S. depot locations to include initial module repair activities at Fleet Readiness Center Southeast and Fleet Readiness Center East, increasing repair capacity to meet expanding fleet repair requirements.</p>										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				118		26		15		9		-		9				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				21,741.989		3,030.327		1,750.292		1,446.201		0.000		1,446.201				
Less PY Advance Procurement <i>(\$ in Millions)</i>				1,802.494		280.530		220.413		228.150		-		228.150				
Net Procurement (P-1) <i>(\$ in Millions)</i>				19,939.495		2,749.797		1,529.879		1,218.051		0.000		1,218.051				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				2,141.547		326.147		142.520		334.128		-		334.128				
Total Obligation Authority <i>(\$ in Millions)</i>				22,081.042		3,075.944		1,672.399		1,552.179		0.000		1,552.179				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				184,254.144		116,551.038		116,686.133		160,689.000		-		160,689.000				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†) (1)	76,767.483	118	9,058.563	66,433.077	26	1,727.260	65,564.733	15	983.471	73,050.000	9	657.450	-	-	0.000	73,050.000	9	657.450
1.1.2) CFE Electronics (2)	20,676.466	118	2,439.823	13,064.500	26	339.677	12,942.867	15	194.143	13,283.750	9	119.554	-	-	0.000	13,283.750	9	119.554
1.1.3) Engines/Eng Acc ^(†)	22,402.551	118	2,643.501	12,266.846	26	318.938	12,776.067	15	191.641	12,670.500	9	114.035	-	-	0.000	12,670.500	9	114.035
1.1.4) Rec Flyaway ECO ⁽³⁾	3,732.093	118	440.387	1,841.613	26	47.882	1,825.667	15	27.385	1,980.000	9	17.820	-	-	0.000	1,980.000	9	17.820
Subtotal: Recurring Cost	-	-	14,582.274	-	-	2,433.757	-	-	1,396.640	-	-	908.859	-	-	0.000	-	-	908.859
Non Recurring Cost																		
1.2.1) Non- Recur Cost ⁽⁴⁾	-	-	3,243.132	-	-	81.831	-	-	70.122	-	-	73.998	-	-	0.000	-	-	73.998
1.2.2) Ancillary Equip (5)	-	-	656.293	-	-	87.773	-	-	53.440	-	-	38.718	-	-	0.000	-	-	38.718
Subtotal: Non Recurring Cost	-	-	3,899.425	-	-	169.604	-	-	123.562	-	-	112.716	-	-	0.000	-	-	112.716
Subtotal: Flyaway Cost	-	-	18,481.699	-	-	2,603.361	-	-	1,520.202	-	-	1,021.575	-	-	0.000	-	-	1,021.575
Support Cost																		
2.1) Airframe PGSE ⁽⁶⁾	-	-	517.753	-	-	14.688	-	-	24.202	-	-	71.175	-	-	0.000	-	-	71.175
2.2) Engine PGSE ⁽⁷⁾	-	-	258.412	-	-	6.984	-	-	1.124	-	-	5.016	-	-	0.000	-	-	5.016

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy										Date: April 2022							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN							

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
---------------------------------------------------------	--	--	--	--	--	--	--	--	--	------------------------	--	--	--	--	--	--	--

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE ⁽⁸⁾	-	-	421.243	-	-	0.757	-	-	2.621	-	-	2.866	-	-	0.000	-	-	2.866
2.4) Pec Trng Eq ⁽⁹⁾	-	-	333.893	-	-	0.000	-	-	0.000	-	-	4.867	-	-	0.000	-	-	4.867
2.5) Full Mission Simulators	-	-	0.000	-	-	47.575	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.6) ODIN / TECH DATA (Previously ALIS) ⁽¹⁰⁾	-	-	155.507	-	-	6.471	-	-	5.296	-	-	0.631	-	-	0.000	-	-	0.631
2.7) Other ILS ⁽¹¹⁾	-	-	677.591	-	-	24.075	-	-	18.877	-	-	28.122	-	-	0.000	-	-	28.122
2.8) Prod Eng Supt ⁽¹²⁾	-	-	718.142	-	-	56.096	-	-	12.308	-	-	12.761	-	-	0.000	-	-	12.761
2.9) Fixed JPO Support ⁽¹³⁾	-	-	0.000	-	-	0.000	-	-	33.406	-	-	31.475	-	-	0.000	-	-	31.475
2.10) Misc Support	-	-	4.013	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.11) Depot Standup ⁽¹⁴⁾	-	-	173.736	-	-	270.320	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.12) Depot Standup Software ⁽¹⁵⁾	-	-	0.000	-	-	0.000	-	-	16.571	-	-	22.000	-	-	0.000	-	-	22.000
2.13) Depot Standup Air Vehicle ⁽¹⁶⁾	-	-	0.000	-	-	0.000	-	-	79.339	-	-	165.236	-	-	0.000	-	-	165.236
2.14) Depot Standup Propulsion ⁽¹⁷⁾	-	-	0.000	-	-	0.000	-	-	36.346	-	-	80.477	-	-	0.000	-	-	80.477
<i>Subtotal: Support Cost</i>	-	-	3,260.290	-	-	426.966	-	-	230.090	-	-	424.626	-	-	0.000	-	-	424.626
Gross/Weapon System Cost	184,254.144	118	21,741.989	116,551.038	26	3,030.327	116,686.133	15	1,750.292	160,689.000	9	1,446.201	-	-	0.000	160,689.000	9	1,446.201

Remarks:

Flyaway Unit Cost differs between USN & USMC due to cost share ratio at the enterprise level for Nonrecurring costs (Tooling and DMS Redesign/Management). These production non-recurring costs are included in the PSFD MOU (FMPD Annex). These costs are shared among the US Services and International Partners. For the US Services, the USMC contributes through the F-35B budget and the USN contribute through the F-35C budget. This drives the difference in USMC and USN F-35C Flyaway Unit Cost.

(t) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

⁽²⁾ CFE Electronics (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV	Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>(3) ECO Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.</p> <p>(4) Non-recurring Costs include such items as USN share of Production Non-Recurring Tooling necessary to support and maintain planned production ramp. In addition, FY2023 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering), concurrency engineering, acceptance chase support, technical assistance and Cost Reduction Initiatives (CRI). This cost element includes variable (aircraft qty driven) and fixed costs.</p> <p>(5) Ancillary Equip: FY23 equipment to procure includes: Launcher Hardware Kit, bomb Rank, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, PFE, HMD, PMD.</p> <p>(6) Airframe PGSE: Costs support Site Support Equipment, and Regional Center Support Equipment, and Service Unique Requirements. FY23: CVN Ship Airframe PGSE (CVN-4, CVN-5, CVN-6). This is an increase over FY22 due to more sites being supported in FY23.</p> <p>(7) Engine PGSE: Costs support Site Support Equipment, Propulsion Mini Modules, and Training Center Support Equipment Requirements. FY23: CVN Ship Engine PGSE (CVN-4, CVN-5, CVN-6). This is an increase over FY22 due to more sites being supported in FY23.</p> <p>(8) Avionics PGSE: Costs support Site Support Equipment, and Service Unique requirements. FY23: CVN Ship Avionics PGSE (CVN-4, CVN-5, CVN-6). This is an increase over FY22 due to more sites being supported in FY23.</p> <p>(9) Pec Trng Eq: FY23: Unique Training Equipment.</p> <p>(10) ODIN / TECH DATA (Previously ALIS): Year to year changes in Operational Data Integration Network (ODIN) are a result of investments required to support site and squadron stand-ups. Tech-data is provisioned via ODIN/ALIS. Cost in support of ALIS hardware and standup support to include SOU Modules, Mission Planning, OMS Modules. In accordance with the Consolidated Appropriations Act for 2021 (P.L. 116-260) Joint Explanatory Statement, Division C, F-35 Part Reimbursement, \$34.3M in total value will be independently invested in two parts by LM between FY2022 - FY2026 to improve Non Ready-for-Issue (Non-RFI) spare parts as a result of the Electronic Equipment Logbooks (EELs) settlement. These investments include \$10M in value for logistics data via the provisioning and cataloging effort and \$24.3M in value via future private investments to further improve the F-35 enterprise. These investments did not result in a credit to the Government therefore a credit will not be reflected in this submission. FY23: ALIS/ODIN airframe depot (FRC East)</p> <p>(11) Other ILS: FY23: Shared Tech Data for Provisioning, Maintenance Planning; Unique Site Activation Planning, FY23 ALIS/ODIN (FDNF Iwakuni, CVN activation)</p> <p>(12) Production Engineering Support: Shared Sustainment Improvement Plan, Propulsion Administrative Labor</p> <p>(13) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.</p> <p>(14) Depot Standup: Starting in FY2022, Depot Standup is broken down in details in Depot Standup Software, Depot Standup Air Vehicle, and Depot Standup Propulsion.</p> <p>(15) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu)</p> <p>(16) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots</p> <p>(17) Depot Standup Propulsion: Shared planning, activation, and capacity expansion for Oklahoma City Air Logistics Center and Fleet Readiness Center Southeast</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2019 ⁽¹⁸⁾	LOCKHEED MARTIN ⁽¹⁹⁾ / FT WORTH	SS / FPIF	NAVAIR	Mar 2019	Mar 2022	15	71,546.400	Y		Jan 2018
1.1.1) Airframe/CFE ^(†)		2020 ⁽²⁰⁾	LOCKHEED MARTIN ⁽¹⁹⁾ / FT WORTH	SS / FPIF	NAVAIR	Mar 2020	Jan 2023	20	68,919.300	Y		Jan 2018
1.1.1) Airframe/CFE ^(†)		2021 ⁽²¹⁾	LOCKHEED MARTIN ⁽¹⁹⁾ / FT WORTH	SS / FPIF	NAVAIR	Jun 2022	Sep 2023	26	66,433.077	Y		Jan 2020
1.1.1) Airframe/CFE ^(†)		2022 ⁽²²⁾	LOCKHEED MARTIN ⁽¹⁹⁾ / FT WORTH	SS / FPIF	NAVAIR	Jun 2022	Jul 2024	15	65,564.733	Y		Jan 2020
1.1.1) Airframe/CFE ^(†)		2023 ⁽²³⁾	LOCKHEED MARTIN ⁽¹⁹⁾ / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Mar 2025	9	73,050.000	Y		Jan 2020
1.1.3) Engines/Eng Acc ^(†)		2019	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Sep 2019	Sep 2020	15	12,370.000	Y		Mar 2018
1.1.3) Engines/Eng Acc ^(†)		2020	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2020	Aug 2021	20	12,280.000	Y		Mar 2019
1.1.3) Engines/Eng Acc ^(†)		2021	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Jan 2023	26	12,266.846	Y		Mar 2020
1.1.3) Engines/Eng Acc ^(†)		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Nov 2023	15	12,776.067	Y		Mar 2021
1.1.3) Engines/Eng Acc ^(†)		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	Jul 2024	9	12,670.500	Y		Mar 2022
Advance Procurement												
CFE- Airframe Long Lead: TR3, Bulkhead		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	9	11,945.111	Y		Jan 2020
CFE- Airframe Long Lead: TR3, Bulkhead		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	15	9,465.200	Y		Jan 2020
CFE- Airframe Long Lead: TR3, Bulkhead		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2024	Sep 2025	15	5,482.867	Y		Jan 2023
CFE- Airframe Long Lead: TR3, Bulkhead		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2025	Sep 2026	15	5,201.533	Y		Jan 2024
CFE- Airframe Long Lead: TR3, Bulkhead		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2026	Sep 2027	15	5,198.467	Y		Jan 2025
CFE- Airframe Long Lead: TR3, Bulkhead		2027	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2027	Sep 2028	15	8,257.533	Y		Jan 2026
For FY24 Economic Order Quantity (Lot 18)		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2023	Jun 2026	1	65,090.000	Y		Mar 2023
For FY25 Economic Order Quantity (Lot 19)		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2023	Jun 2027	1	32,670.000	Y		Mar 2023
For FY25 Economic Order Quantity (Lot 19)		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2024	Jun 2027	1	32,550.000	Y		Mar 2024
For FY26 Economic Order Quantity (Lot 20)		2023	LOCKHEAD MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2023	Jun 2028	1	32,670.000	Y		Mar 2023

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
For FY26 Economic Order Quantity (Lot 20)		2024	LOCKHEAD MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2024	Jun 2028	1	32,640.000	Y		Mar 2024
For FY27 Economic Order Quantity (Lot 21)		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2023	Jun 2029	1	32,670.000	Y		Mar 2023
For FY27 Economic Order Quantity (Lot 21)		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2024	Jun 2029	1	32,640.000	Y		Mar 2024
GFE-Engines Long Lead: Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	18	2.278	Y		Mar 2021
GFE-Engines Long Lead: Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	30	1.433	Y		Mar 2022
GFE-Engines Long Lead: Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	30	1.467	Y		Mar 2023
GFE-Engines Long Lead: Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	30	1.467	Y		Mar 2024
GFE-Engines Long Lead: Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	30	1.500	Y		Mar 2025
GFE-Engines Long Lead: Mount-Signal		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	30	2.867	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Forward		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	9	7.333	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Forward		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	15	4.267	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Forward		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	4.333	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Forward		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	4.467	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Forward		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	4.533	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Forward		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	8.533	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	9	6.778	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	15	4.267	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	4.333	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	4.467	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	4.533	Y		Mar 2025

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: IDMS Ring, Rear		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	8.533	Y		Mar 2026
GFE-Engines Long Lead: Advance Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Feb 2024	19	1,834.000	Y		Mar 2021
GFE-Engines Long Lead: Advance Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Feb 2025	15	1,925.267	Y		Mar 2022
GFE-Engines Long Lead: Advance Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Feb 2026	15	1,112.467	Y		Mar 2023
GFE-Engines Long Lead: Advance Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Feb 2027	15	1,053.267	Y		Mar 2024
GFE-Engines Long Lead: Advance Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Feb 2028	15	1,054.267	Y		Mar 2025
GFE-Engines Long Lead: Advance Acquisition Contracts		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Feb 2029	15	1,668.467	Y		Mar 2026

(†) indicates the presence of a P-21

Footnotes:

- ⁽¹⁸⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽¹⁹⁾ F-35C production capacity is influenced by F-35B quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.
- ⁽²⁰⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²¹⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²²⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²³⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN												
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020										BALANCE					
OCO	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP	
1.1.1) Airframe/CFE ⁽¹⁾																																
Prior Years Deliveries: 83																																
	1	2019	NAVY	15	0	15						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	
	1	2020	NAVY	20	0	20																	A -	-	-	-	-	-	-	-	20	
	1	2021	NAVY	26	0	26																									26	
	1	2022	NAVY	15	0	15																									15	
	1	2023	NAVY	9	0	9																									9	
1.1.3) Engines/Eng Acc																																
Prior Years Deliveries: 83																																
	2	2019	NAVY	15	0	15											A -	-	-	-	-	-	-	-	-	-	-	-	-	1	14	
	2	2020	NAVY	20	0	20																	A -	-	-	-	-	-	-	-	20	
	2	2021	NAVY	26	0	26																									26	
	2	2022	NAVY	15	0	15																									15	
	2	2023	NAVY	9	0	9																									9	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV													Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN														
Cost Elements (Units in Each)							Fiscal Year 2021													Fiscal Year 2022													BALANCE				
OCO	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
1.1.1) Airframe/CFE ⁽¹⁾																																					
Prior Years Deliveries: 83																																					
	1	2019	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	2	-	2	1	5					
	1	2020	NAVY	20	0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20					
	1	2021	NAVY	26	0	26																										A -	-	-	-	-	26
	1	2022	NAVY	15	0	15																										A -	-	-	-	-	15
	1	2023	NAVY	9	0	9																															9
1.1.3) Engines/Eng Acc																																					
Prior Years Deliveries: 83																																					
	2	2019	NAVY	15	1	14	-	1	1	1	1	1	1	1	2	2	3																	0			
	2	2020	NAVY	20	0	20	-	-	-	-	-	-	-	-	-	1	2	1	2	1	2	2	1	2	2	2	2	2					0				
	2	2021	NAVY	26	0	26																										A -	-	-	-	-	26
	2	2022	NAVY	15	0	15																										A -	-	-	-	-	15
	2	2023	NAVY	9	0	9																															9
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN																
Cost Elements (Units in Each)							Fiscal Year 2023										Fiscal Year 2024														BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT				Calendar Year 2023										Calendar Year 2024																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽¹⁾																																				
Prior Years Deliveries: 83																																				
	1	2019	NAVY	15	10	5	2	2	1																											0
	1	2020	NAVY	20	0	20	-	-	-	1	3	2	3	1	3	2	4	1																		0
	1	2021	NAVY	26	0	26	-	-	-	-	-	-	-	-	-	-	1	3	3	3	3	2	3	2	3	2	1				0					
	1	2022	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	10						
	1	2023	NAVY	9	0	9			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9						
1.1.3) Engines/Eng Acc																																				
Prior Years Deliveries: 83																																				
	2	2019	NAVY	15	15	0																													0	
	2	2020	NAVY	20	20	0																													0	
	2	2021	NAVY	26	0	26	-	-	-	3	2	3	4	2	3	2	3	4																		0
	2	2022	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	2	2	2	2			0				
	2	2023	NAVY	9	0	9				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	6						
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN															
Cost Elements (Units in Each)							Fiscal Year 2025													Fiscal Year 2026													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025													Calendar Year 2026															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1.1.1) Airframe/CFE ⁽¹⁾																																			
Prior Years Deliveries: 83																																			
	1	2019	NAVY	15	15	0																													0
	1	2020	NAVY	20	20	0																													0
	1	2021	NAVY	26	26	0																													0
	1	2022	NAVY	15	5	10																													2
	1	2023	NAVY	9	0	9	-	-	-	-	-	3	2	3	1	0																			
1.1.3) Engines/Eng Acc																																			
Prior Years Deliveries: 83																																			
	2	2019	NAVY	15	15	0																													0
	2	2020	NAVY	20	20	0																													0
	2	2021	NAVY	26	26	0																													0
	2	2022	NAVY	15	15	0																													0
	2	2023	NAVY	9	3	6	1	2	2	1	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP											0		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy								Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN			

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LOCKHEED MARTIN ⁽¹⁹⁾ - FT WORTH	24	24	30	8	6	22	28	8	6	22	28
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	24	24	30	8	4	17	21	6	8	15	23

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽¹⁹⁾ F-35C production capacity is influenced by F-35B quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			5			4			-			4		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				0.000			0.000			618.836			507.475			0.000			507.475		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			59.791			62.011			-			62.011		
Net Procurement (P-1) <i>(\$ in Millions)</i>				0.000			0.000			559.045			445.464			0.000			445.464		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			43.175			53.468			-			53.468		
Total Obligation Authority <i>(\$ in Millions)</i>				0.000			0.000			602.220			498.932			0.000			498.932		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-			-			123,767.200			126,868.750			-			126,868.750		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†) (24)	-	-	0.000	-	-	0.000	65,564.733	5	327.824	73,050.000	4	292.200	-	-	0.000	73,050.000	4	292.200			
1.1.2) CFE Electronics (25)	-	-	0.000	-	-	0.000	12,943.000	5	64.715	13,282.750	4	53.131	-	-	0.000	13,282.750	4	53.131			
1.1.3) Engines / Eng Acc ^(†)	-	-	0.000	-	-	0.000	12,776.200	5	63.881	12,670.500	4	50.682	-	-	0.000	12,670.500	4	50.682			
1.1.4) Rec Flyaway ECO ⁽²⁶⁾	-	-	0.000	-	-	0.000	1,825.667	5	9.128	1,980.000	4	7.920	-	-	0.000	1,980.000	4	7.920			
Subtotal: Recurring Cost	-	-	0.000	-	-	0.000	-	-	465.548	-	-	403.933	-	-	0.000	-	-	403.933			
Non Recurring Cost																					
1.2.1) Non-Recur Cost (27)	-	-	0.000	-	-	0.000	-	-	23.374	-	-	5.145	-	-	0.000	-	-	5.145			
1.2.2) Ancillary Equip (28)	-	-	0.000	-	-	0.000	-	-	17.813	-	-	27.184	-	-	0.000	-	-	27.184			
Subtotal: Non Recurring Cost	-	-	0.000	-	-	0.000	-	-	41.187	-	-	32.329	-	-	0.000	-	-	32.329			
Subtotal: Flyaway Cost	-	-	0.000	-	-	0.000	-	-	506.735	-	-	436.262	-	-	0.000	-	-	436.262			
Support Cost																					
2.1) Airframe PGSE ⁽²⁹⁾	-	-	0.000	-	-	0.000	-	-	32.741	-	-	6.593	-	-	0.000	-	-	6.593			
2.2) Engine PGSE ⁽³⁰⁾	-	-	0.000	-	-	0.000	-	-	1.894	-	-	0.000	-	-	0.000	-	-	0.000			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE ⁽³¹⁾	-	-	0.000	-	-	0.000	-	-	3.718	-	-	0.529	-	-	0.000	-	-	0.529
2.4) Pec Trng Eq ⁽³²⁾	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.453	-	-	0.000	-	-	1.453
2.6) ODIN / TECH DATA (Previously ALIS) ⁽³³⁾	-	-	0.000	-	-	0.000	-	-	4.703	-	-	5.067	-	-	0.000	-	-	5.067
2.7) Other ILS ⁽³⁴⁾	-	-	0.000	-	-	0.000	-	-	4.461	-	-	4.728	-	-	0.000	-	-	4.728
2.8) Prod Eng Supt ⁽³⁵⁾	-	-	0.000	-	-	0.000	-	-	3.659	-	-	2.827	-	-	0.000	-	-	2.827
2.9) Fixed JPO Support ⁽³⁶⁾	-	-	0.000	-	-	0.000	-	-	7.459	-	-	4.357	-	-	0.000	-	-	4.357
2.11) Depot Standup Software ⁽³⁷⁾	-	-	0.000	-	-	0.000	-	-	3.711	-	-	3.520	-	-	0.000	-	-	3.520
2.12) Depot Standup Air Vehicle ⁽³⁸⁾	-	-	0.000	-	-	0.000	-	-	24.733	-	-	19.146	-	-	0.000	-	-	19.146
2.13) Depot Standup Propulsion ⁽³⁹⁾	-	-	0.000	-	-	0.000	-	-	25.022	-	-	22.993	-	-	0.000	-	-	22.993
Subtotal: Support Cost	-	-	0.000	-	-	0.000	-	-	112.101	-	-	71.213	-	-	0.000	-	-	71.213
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	123,767.200	5	618.836	126,868.750	4	507.475	-	-	0.000	126,868.750	4	507.475

Remarks:

Flyaway Unit Cost differs between USN & USMC due to cost share ratio at the enterprise level for Nonrecurring costs (Tooling and DMS Redesign/Management). These production non-recurring costs are included in the PSFD MOU (FMPD Annex). These costs are shared among the US Services and International Partners. For the US Services, the USMC contributes through the F-35B budget and the USN contribute through the F-35C budget. This drives the difference in USMC and USN F-35C Flyaway Unit Cost.

(t) indicates the presence of a P-5a

Footnotes:

(24) Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(25) CFE Electronics (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(26) ECO Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.

(27) Non-recurring Costs include such items as USMC share of Production Non-Recurring Tooling necessary to support and maintain planned production ramp. In addition, FY2023 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering), concurrency engineering, acceptance chase support, technical assistance and Cost Reduction Initiatives (CRI). This cost element includes variable (aircraft qty driven) and fixed costs

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV	Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>(28) Ancillary Equip: FY23 equipment to procure includes: Launcher Hardware Kit, bomb Rack, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, PFE, HMD, PMD.</p> <p>(29) Airframe PGSE: Costs support Site Support Equipment, and Regional Center Support Equipment, and Service Unique Requirements. FY23: Additional aircraft (MCAS Cherry Point)</p> <p>(30) Engine PGSE: Costs support Site Support Equipment, Propulsion Mini Modules, and Training Center Support Equipment Requirements. FY23: Propulsion requirement satisfied with First Aircraft Arrival</p> <p>(31) Avionics PGSE: Costs support Site Support Equipment, and Service Unique requirements. FY23: Additional aircraft (MCAS Cherry Point)</p> <p>(32) Pec Trng Eq: FY23: Unique Training Equipment</p> <p>(33) ODIN / TECH DATA (Previously ALIS): FY23: ALIS/ODIN additional aircraft (MCAS Cherry Point) Year to year changes in Operational Data Integration Network (ODIN) are a result of investments required to support site and squadron stand-ups. Tech-data is provisioned via ODIN/ALIS. Cost in support of ALIS hardware and standup support to include SOU Modules, Mission Planning, OMS Modules. In accordance with the Consolidated Appropriations Act for 2021 (P.L. 116-260) Joint Explanatory Statement, Division C, F-35 Part Reimbursement, \$34.3M in total value will be independently invested in two parts by LM between FY2022 - FY2026 to improve Non Ready-for-Issue (Non-RFI) spare parts as a result of the Electronic Equipment Logbooks (EELs) settlement. These investments include \$10M in value for logistics data via the provisioning and cataloging effort and \$24.3M in value via future private investments to further improve the F-35 enterprise. These investments did not result in a credit to the Government therefore a credit will not be reflected in this submission.</p> <p>(34) Other ILS: FY23: Shared Tech Data for Provisioning, Maintenance Planning; Unique Site Activation Planning</p> <p>(35) Production Engineering Support: Shared Sustainment Improvement Plan, Propulsion Administrative Labor</p> <p>(36) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.</p> <p>(37) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu)</p> <p>(38) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots.</p> <p>(39) Depot Standup Propulsion: Shared planning, activation, and capacity expansion for Oklahoma City Air Logistics Center and Fleet Readiness Center Southeast.</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:				Item Number / Title [DODIC]:				
1506N / 01 / 1				0147 / Joint Strike Fighter CV				2 / Joint Strike Fighter-CV USMC				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jun 2022	Aug 2024	5	65,564.733	Y		Jan 2020
1.1.1) Airframe/CFE ^(†)		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Apr 2025	4	73,050.000	Y		Jan 2020
1.1.3) Engines / Eng Acc ^(†)		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Nov 2023	5	12,776.200	Y		Mar 2021
1.1.3) Engines / Eng Acc ^(†)		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	Jun 2024	4	12,670.500	Y		Mar 2022
Advance Procurement												
CFE-Airframe Long Lead: TR3, Bulkhead.		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Nov 2021	Mar 2025	4	8,958.500	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead.		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	4	11,095.000	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead.		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2024	Sep 2025	4	11,120.000	Y		Jan 2023
CFE-Airframe Long Lead: TR3, Bulkhead.		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2025	Sep 2026	4	11,200.750	Y		Jan 2024
CFE-Airframe Long Lead: TR3, Bulkhead.		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2026	Sep 2027	4	8,459.750	Y		Jan 2025
GFE-Engines Long Lead: Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Aug 2023	8	1.750	Y		Mar 2021
GFE-Engines Long Lead: Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	8	1.375	Y		Mar 2022
GFE-Engines Long Lead: Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	8	1.500	Y		Mar 2023
GFE-Engines Long Lead: Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	8	1.500	Y		Mar 2024
GFE-Engines Long Lead: Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	8	1.125	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Forward		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	4	5.500	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Forward		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	4	4.250	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Forward		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	4.250	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Forward		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	4.400	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Forward		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	4	3.500	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	4	5.000	Y		Mar 2021

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: IDMS Ring, Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	4	4.250	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	26.750	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	4.500	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	4	3.500	Y		Mar 2025
GFE-Engines Long Lead: Advance Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Feb 2024	4	1,821.250	Y		Mar 2021
GFE-Engines Long Lead: Advance Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Feb 2025	4	2,260.750	Y		Mar 2022
GFE-Engines Long Lead: Advance Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Feb 2026	4	2,261.500	Y		Mar 2023
GFE-Engines Long Lead: Advance Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Feb 2027	4	2,282.250	Y		Mar 2024
GFE-Engines Long Lead: Advance Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Feb 2028	4	1,746.250	Y		Mar 2025

(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC																						
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023														BALANCE											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																									
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												
1.1.1) Airframe/CFE ⁽²⁴⁾																																										
	1	2022	NAVY	5	0	5											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5							
	1	2023	NAVY	4	0	4																					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
1.1.3) Engines / Eng Acc																																										
	2	2022	NAVY	5	0	5											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5						
	2	2023	NAVY	4	0	4																					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC														
Cost Elements <i>(Units in Each)</i>								Fiscal Year 2024										Fiscal Year 2025										BALANCE						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN		JUL	AUG	SEP			
1.1.1) Airframe/CFE ⁽²⁴⁾																																		
	1	2022	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	1	1								0			
	1	2023	NAVY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1	0		
1.1.3) Engines / Eng Acc																																		
	2	2022	NAVY	5	0	5	-	1	1	1	1	1																						0
	2	2023	NAVY	4	0	4	-	-	-	-	-	-	-	1	1	1	1																	0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026										Fiscal Year 2027														BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026										Calendar Year 2027																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1.1.1) Airframe/CFE ⁽²⁴⁾																																		
	1	2022	NAVY	5	5	0																												0
	1	2023	NAVY	4	3	1	1																											0
1.1.3) Engines / Eng Acc																																		
	2	2022	NAVY	5	5	0																												0
	2	2023	NAVY	4	4	0																												0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LOCKHEED MARTIN - FT WORTH	24	24	30	8	6	22	28	8	6	22	28
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	24	24	30	8	4	17	21	6	8	17	25

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						
Program Elements for Code B Items: 0204146N						Other Related Program Elements: 0204146M						
Line Item MDAP/MAIS Code: 198												

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (\$ in Millions)	2,141.547	326.147	185.695	387.596	-	387.596	315.866	147.980	134.833	149.232	474.607	4,263.503
Net Procurement (P-1) (\$ in Millions)	2,141.547	326.147	185.695	387.596	-	387.596	315.866	147.980	134.833	149.232	474.607	4,263.503
Total Obligation Authority (\$ in Millions)	2,141.547	326.147	185.695	387.596	-	387.596	315.866	147.980	134.833	149.232	474.607	4,263.503

Description:

Joint Strike Fighter (JSF) program is developing and fielding a family of aircraft that meets the needs of DoD and allies, with the F-35A Conventional Take Off and Landing (CTOL) variant, F-35B Short Take-Off and Vertical Landing (STOVL) variant and F-35C Carrier Variant (CV). The aircraft will have optimum commonality among three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between Department of Navy (DON) and Department of Air Force (DAF) and currently resides with the Navy. The F-35 is next generation of strike fighters to command and maintain global air superiority. Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2024 JSF aircraft buy.

Notes:

(1) Prior to FY2011, F-35B was reported against Budget Line Item 0147. The F-35B now reports under Budget Line Item 0152. CY Advance Procurement for FY2010 F-35B aircraft was included in the FY2010 F-35C budget. The Advance Procurement Credit for FY2010 F-35B aircraft was included in the FY2011 F-35B budget.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV				
Program Elements for Code B Items: 0204146N					Other Related Program Elements: 0204146M				
Line Item MDAP/MAIS Code: 198									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / Joint Strike Fighter-CV USN			118 / 2,141.547	26 / 326.147	15 / 142.520	9 / 334.128	- / -	9 / 334.128
P-10	2 / Joint Strike Fighter-CV USMC			- / -	- / -	5 / 43.175	4 / 53.468	- / -	4 / 53.468
P-40	Total Gross/Weapon System Cost			118 / 2,141.547	26 / 326.147	20 / 185.695	13 / 387.596	- / -	13 / 387.596
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									
<p>Justification: The FY2023 budget requests \$387.596M of Advance Procurement for FY2024 long lead materials and Economics Order Quantity (EOQ). Savings is projected with EOQ , and Long Lead will support Airframe and Engine long-lead parts and materials necessary to protect the Lot 18 delivery schedule.</p> <p>Full funding for every end item requesting advance procurement is included in the budget submission.</p>									

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV		P-5 Number / Title: 1 / Joint Strike Fighter-CV USN	
First System (2023) Award Date: March 2023		First System (2023) Completion Date: January 2025		Interval Between Systems: 1 Months		
Joint Strike Fighter-CV USN		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			118	26	15	9
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
CFE- Airframe Long Lead ⁽¹⁾		0	1,755.430	171.627	-	-
CFE- Airframe Long Lead: TR3, Bulkhead ⁽²⁾ (†)		0	-	-	107.506	141.978
For FY21 Economic Order Quantity (Lot 15)		0	98.077	-	-	-
For FY22 Economic Order Quantity (Lot 16)		0	30.834	59.250	-	-
For FY23 Economic Order Quantity (Lot 17)		0	27.689	59.250	-	-
For FY24 Economic Order Quantity (Lot 18) ^(†)		0	-	-	-	65.090
For FY25 Economic Order Quantity (Lot 19) ^(†)		0	-	-	-	32.670
For FY26 Economic Order Quantity (Lot 20) ^(†)		0	-	-	-	32.670
For FY27 Economic Order Quantity (Lot 21) ^(†)		0	-	-	-	32.670
Total: CFE			1,912.030	290.127	107.506	305.078
GFE						
GFE - Engines Long Lead ⁽³⁾		0	229.517	36.020	-	-
GFE-Engines Long Lead: Mount-Signal ^(†)		23	-	-	0.041	0.043
GFE-Engines Long Lead: IDMS Ring, Forward ^(†)		23	-	-	0.066	0.064
GFE-Engines Long Lead: IDMS Ring, Rear ^(†)		23	-	-	0.061	0.064
GFE-Engines Long Lead: Advance Acquisition Contracts ⁽⁴⁾ (†)		23	-	-	34.846	28.879
Total: GFE			229.517	36.020	35.014	29.050
Total Advance Procurement/Obligation Authority			2,141.547	326.147	142.520	334.128

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV			P-5 Number / Title: 1 / Joint Strike Fighter-CV USN		
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
CFE- Airframe Long Lead ⁽¹⁾	0						-
CFE- Airframe Long Lead: TR3, Bulkhead ^{(2) (†)}	1	18	9,465.200	Mar 2023	15		141.978
For FY21 Economic Order Quantity (Lot 15)	0						-
For FY22 Economic Order Quantity (Lot 16)	0						-
For FY23 Economic Order Quantity (Lot 17)	0						-
For FY24 Economic Order Quantity (Lot 18) ^(†)	1	18	65,090.000	Jun 2023	1		65.090
For FY25 Economic Order Quantity (Lot 19) ^(†)	1	18	32,670.000	Jun 2023	1		32.670
For FY26 Economic Order Quantity (Lot 20) ^(†)	1	18	32,670.000	Jun 2023	1		32.670
For FY27 Economic Order Quantity (Lot 21) ^(†)	1	18	32,670.000	Jun 2023	1		32.670
Total: CFE							305.078
GFE							
GFE - Engines Long Lead ⁽³⁾	1						-
GFE-Engines Long Lead: Mount-Signal ^(†)	2	18	1.433	Feb 2023	30		0.043
GFE-Engines Long Lead: IDMS Ring, Forward ^(†)	1	18	4.267	Feb 2023	15		0.064
GFE-Engines Long Lead: IDMS Ring, Rear ^(†)	1	18	4.267	Feb 2023	15		0.064
GFE-Engines Long Lead: Advance Acquisition Contracts ^{(4) (†)}	1	24	1,925.267	Feb 2023	15		28.879
Total: GFE							29.050
Total Advance Procurement/Obligation Authority							334.128
Description: Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2024 JSF aircraft buy. Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft. ^(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit. Footnotes:							

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV	P-5 Number / Title: 1 / Joint Strike Fighter-CV USN
<p>(1) CFE-Airframe Long Lead: AP funding will be used towards the following Air Vehicle suppliers/systems based on the lead time associated with the material(s): TR3 Components (Integrated Core Processor, Aircraft Memory System, Panoramic Cockpit Display); Bulkhead forgings; Collins Landing Gear; BAE Electronic Warfare components; IAI Outer Wing Box; BAE Aft Fuselage components; Northrop Grumman Center Fuselage, Communication, Navigation & Identification (CNI), and Radar components; ATK Wing Skins; Curtiss-Wright Controls LEFDS; Ball Aerospace CNI Integrated Body Apertures; Heroux-Devtek FODUS; Fokker Flaperons; Arkwin Industries Actuators; and Leonardo Wing.</p> <p>(2) Advance Procurement Unit Costs in P-5a differ between CV USN and CV USMC due to USN funding EOQ and the estimated saving its provided.</p> <p>(3) GFE-Engines Long Lead: starting in FY22, this is broken down into more details.</p> <p>(4) GFE-Engines Long Lead: Advance Acquisition Contracts: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. Prior to award of each Advance Acquisition Contract, P&W will be required to provide a termination liability funding schedule, including identification of all vendor and in-house activities, or other such data required to support the amount of termination liability funding requested (Lot 18, FY24 \$28.879M). The amount of termination liability funds requested will cover long-lead obligations (approximately one year) until such time as additional funding is appropriated and made available to the F-35 Lightning II Program.</p>		

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV		P-5 Number / Title: 2 / Joint Strike Fighter-CV USMC	
First System (2023) Award Date: March 2023		First System (2023) Completion Date: January 2025		Interval Between Systems: 1 Months		
Joint Strike Fighter-CV USMC		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>
Quantity			-	-	5	4
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>
CFE						
CFE-Airframe Long Lead: TR3, Bulkhead. ⁽⁵⁾ (†)		0	-	-	35.834	44.380
<i>Total: CFE</i>			-	-	35.834	44.380
GFE						
GFE-Engines Long Lead: Mount-Signal ^(†)		23	-	-	0.014	0.011
GFE-Engines Long Lead: IDMS Ring, Forward ^(†)		23	-	-	0.022	0.017
GFE-Engines Long Lead: IDMS Ring, Rear ^(†)		23	-	-	0.020	0.017
GFE-Engines Long Lead: Advance Acquisition Contracts ⁽⁶⁾ (†)		23	-	-	7.285	9.043
<i>Total: GFE</i>			-	-	7.341	9.088
Total Advance Procurement/Obligation Authority			-	-	43.175	53.468

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV			P-5 Number / Title: 2 / Joint Strike Fighter-CV USMC		
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
CFE-Airframe Long Lead: TR3, Bulkhead. ⁽⁵⁾ (†)	0	18	11,095.000	Mar 2023	4		44.380
Total: CFE							44.380
GFE							
GFE-Engines Long Lead: Mount-Signal ^(†)	2	18	1.375	Feb 2023	8		0.011
GFE-Engines Long Lead: IDMS Ring, Forward ^(†)	1	18	4.250	Feb 2023	4		0.017
GFE-Engines Long Lead: IDMS Ring, Rear ^(†)	1	18	4.250	Feb 2023	4		0.017
GFE-Engines Long Lead: Advance Acquisition Contracts ⁽⁶⁾ (†)	1	24	2,260.750	Feb 2023	4		9.043
Total: GFE							9.088
Total Advance Procurement/Obligation Authority							53.468
<p>Description: Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2024 JSF aircraft buy.</p> <p>Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft.</p> <p>(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.</p> <p>Footnotes: ⁽⁵⁾ Advance Procurement Unit Costs in P-5a differ between CV USN and CV USMC due to USN funding EOQ and the estimated saving its provided. ⁽⁶⁾ GFE-Engines Long Lead: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. Prior to award of each Advance Acquisition Contract, P&W will be required to provide a termination liability funding schedule, including identification of all vendor and in-house activities, or other such data required to support the amount of termination liability funding requested (Lot 18, FY24 \$9.043M). The amount of termination liability funds requested will cover long-lead obligations (approximately one year) until such time as additional funding is appropriated and made available to the F-35 Lightning II Program.</p>							

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0152 / JSF STOVL					
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146M				Other Related Program Elements: 0204146N					
Line Item MDAP/MAIS Code: 198												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	120	10	17	15	-	15	16	16	16	17	97	324
Gross/Weapon System Cost (<i>\$ in Millions</i>)	18,538.746	1,387.384	2,450.068	2,210.949	0.000	2,210.949	2,254.612	2,332.943	2,195.422	2,375.231	14,726.526	48,471.881
Less PY Advance Procurement (<i>\$ in Millions</i>)	2,050.920	249.554	260.785	301.314	-	301.314	200.118	201.313	202.696	254.742	1,582.516	5,303.958
Net Procurement (P-1) (<i>\$ in Millions</i>)	16,487.826	1,137.830	2,189.283	1,909.635	0.000	1,909.635	2,054.494	2,131.630	1,992.726	2,120.489	13,144.010	43,167.923
Plus CY Advance Procurement (<i>\$ in Millions</i>)	2,342.724	303.035	216.814	200.118	-	200.118	201.313	202.696	254.742	326.430	1,256.086	5,303.958
Total Obligation Authority (<i>\$ in Millions</i>)	18,830.550	1,440.865	2,406.097	2,109.753	0.000	2,109.753	2,255.807	2,334.326	2,247.468	2,446.919	14,400.096	48,471.881
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	237.593	197.028	37.951	-	37.951	53.058	36.070	69.023	54.749	3,363.198	4,048.670
Flyaway Unit Cost (<i>\$ in Thousands</i>)	130,778.792	105,893.200	111,859.941	119,283.467	-	119,283.467	121,211.000	128,426.875	119,035.438	127,096.529	133,924.639	128,065.932
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	154,489.550	138,738.400	144,121.647	147,396.600	-	147,396.600	140,913.250	145,808.938	137,213.875	139,719.471	151,819.856	149,604.571
<p>Description: This is a CMC Force Design program.</p> <p>Joint Strike Fighter (JSF) program will enhance and field a family of aircraft that meets the needs of DoD and allies with three air vehicle variants including: the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing variant, and the F-35C Carrier Variant (CV) delivering commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DON) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters and provide increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and can employ superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to sole source air vehicle and propulsion contracts. DAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.</p> <p>For the Marine Corps, the F-35B combines precision weapons and multi-spectral sensors with the expeditionary responsiveness of a Short Takeoff and Vertical Landing (STOVL) fighter-attack platform. The Marine Corps currently has five F-35B operational squadrons and will stand up an additional five squadrons across the FYDP.</p> <p>Notes: (1) FY 2010 and prior quantity and funding for F-35B and F-35C were reported under same Budget Line Item 0147. Result is 29 F-35B aircraft (6 - FY08; 7 - FY09; and 16 - FY10) are included in the BLI 0147 Prior Year Column for a total of 353 F-35B aircraft (29-BLI 0147, 324-BLI 0152). The F-35C budget continues to report under BLI 0147.</p> <p>(2) Initial Operational Capability (IOC) occurred in July 2015 and Full Rate Production (FRP) decision will occur after completion of Initial Operational Test and Evaluation (IOT&E).</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0152 / JSF STOVL				
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146M			Other Related Program Elements: 0204146N				
Line Item MDAP/MAIS Code: 198										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Joint Strike Fighter - STOVL	P-5a, P-21			120 / 18,538.746	10 / 1,387.384	17 / 2,450.068	15 / 2,210.949	- / 0.000	15 / 2,210.949
P-40	Total Gross/Weapon System Cost				120 / 18,538.746	10 / 1,387.384	17 / 2,450.068	15 / 2,210.949	- / 0.000	15 / 2,210.949
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p>Justification:</p> <p>BASIS FOR FY 2023 BUDGET REQUEST: The FY 2023 budget provides funding for 15 F-35B Aircraft and associated non-recurring and ancillary mission equipment to support delivery. The budget request also supports the advanced procurement and support requirements for squadron standup and associated training and logistical requirements.</p> <p>Non-recurring flyaway costs for FY 2023 include costs for tooling required to support full production capacity for hardware associated with delivering Block IV capabilities. Non-recurring also includes funding to address diminishing manufacturing sources (DMS) which include costs to manage DMS issues, procurement of bridge or life-of-type buys, and if cost-benefit analysis supports non-recurring engineering to implement DMS redesigns within the performance envelope to the production line. Other non-recurring costs include but are not limited to chase support for government acceptance flights, systems engineering for production line efforts and production readiness reviews to address program risks and cost reduction initiatives.</p> <p>Support costs in FY 2023 include costs that are fixed in nature and do not fluctuate with aircraft quantities in particular years. Support cost supports the procurement of airframe, engine, and avionics peculiar ground support equipment (PGSE) to support squadron and site stand-ups. This PGSE is associated with the stand-up of the first Marine Corps operational squadron at MCAS Beaufort, the procurement of the MCAS Iwakuni Unit Deployment Program PGSE package #3, and a PGSE package for Marine Corps Preposition Program Norway. Intermediate Level maintenance capability is also included in PGSE and this capability is specific to the Department of the Navy.</p> <p>The Department is implementing a new strategy to replace the Autonomic Logistics Information System (ALIS) with the F-35 Operational Data Integrated Network (ODIN), a modern F-35 logistics and maintenance system. Hardware being procured is compatible with both ALIS and ODIN software.</p> <p>Depot activation efforts continue in FY 2023 increasing repair capacity necessary for long-term sustainment of F-35 aircraft. FY 2023 request includes additional special test equipment and initial depot repair material to support establishment of initial depot repair capability and repair capacity increases for components/sub-components across all US Depots, support equipment for air vehicle modification dock expansion at Fleet Readiness Center East, and the first of four years of Block IV depot repair capability funding. FY 2023 also includes funding for continued propulsion depot standup at numerous U.S. depot locations to include initial module repair activities at Fleet Readiness Center Southeast and continuation of LiftSystems repair activation at Fleet Readiness Center East, increasing repair capacity to meet expanding fleet repair requirements.</p>										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0152 / JSF STOVL						Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				120			10			17			15			-			15		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				18,538.746			1,387.384			2,450.068			2,210.949			0.000			2,210.949		
Less PY Advance Procurement <i>(\$ in Millions)</i>				2,050.920			249.554			260.785			301.314			-			301.314		
Net Procurement (P-1) <i>(\$ in Millions)</i>				16,487.826			1,137.830			2,189.283			1,909.635			0.000			1,909.635		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				2,342.724			303.035			216.814			200.118			-			200.118		
Total Obligation Authority <i>(\$ in Millions)</i>				18,830.550			1,440.865			2,406.097			2,109.753			0.000			2,109.753		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			237.593			197.028			37.951			-			37.951		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				154,489.550			138,738.400			144,121.647			147,396.600			-			147,396.600		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†) (1)	70,253.925	120	8,430.471	58,965.873	10	589.659	59,303.118	17	1,008.153	62,755.067	15	941.326	-	-	-	62,755.067	15	941.326			
1.1.2) CFE Electronics (2)	14,103.983	120	1,692.478	11,349.751	10	113.498	13,481.647	17	229.188	13,208.733	15	198.131	-	-	-	13,208.733	15	198.131			
1.1.3) Engines/Eng Acc ^(†)	29,435.817	120	3,532.298	28,925.911	10	289.259	27,454.471	17	466.726	29,250.000	15	438.750	-	-	-	29,250.000	15	438.750			
1.1.4) Rec Flyaway ECO ⁽³⁾	2,285.833	120	274.300	1,984.438	10	19.844	2,044.647	17	34.759	2,104.267	15	31.564	-	-	-	2,104.267	15	31.564			
Subtotal: Recurring Cost	-	-	13,929.547	-	-	1,012.260	-	-	1,738.826	-	-	1,609.771	-	-	-	-	-	1,609.771			
Non Recurring Cost																					
1.2.1) Non- Recur Cost ⁽⁴⁾	-	-	1,091.177	-	-	22.988	-	-	81.155	-	-	101.380	-	-	-	-	-	101.380			
1.2.2) Ancillary Equip (5)	-	-	672.731	-	-	23.684	-	-	81.638	-	-	78.101	-	-	-	-	-	78.101			
Subtotal: Non Recurring Cost	-	-	1,763.908	-	-	46.672	-	-	162.793	-	-	179.481	-	-	-	-	-	179.481			
Subtotal: Flyaway Cost	-	-	15,693.455	-	-	1,058.932	-	-	1,901.619	-	-	1,789.252	-	-	-	-	-	1,789.252			
Support Cost																					
2.1) Airframe PGSE ⁽⁶⁾	-	-	596.645	-	-	71.632	-	-	161.045	-	-	97.980	-	-	-	-	-	97.980			
2.2) Engine PGSE ⁽⁷⁾	-	-	220.653	-	-	23.314	-	-	16.142	-	-	10.064	-	-	-	-	-	10.064			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy										Date: April 2022							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0152 / JSF STOVL					Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL							

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
---------------------------------------------------------	--	--	--	--	--	--	--	--	--	------------------------	--	--	--	--	--	--	--

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE ⁽⁸⁾	-	-	351.829	-	-	6.925	-	-	20.881	-	-	6.065	-	-	-	-	-	6.065
2.4) Pec Trng Eq ⁽⁹⁾	-	-	304.783	-	-	0.436	-	-	0.222	-	-	7.657	-	-	-	-	-	7.657
2.5) Full Mission Simulators ⁽¹⁰⁾	-	-	56.144	-	-	-	-	-	-	-	-	19.432	-	-	-	-	-	19.432
2.6) ODIN/Tech Data (previously ALIS) ⁽¹¹⁾	-	-	80.361	-	-	12.948	-	-	4.968	-	-	8.525	-	-	-	-	-	8.525
2.7) Other ILS ⁽¹²⁾	-	-	528.816	-	-	15.070	-	-	27.099	-	-	28.872	-	-	-	-	-	28.872
2.8) Prod Eng Supt ⁽¹³⁾	-	-	438.153	-	-	47.584	-	-	17.599	-	-	18.687	-	-	-	-	-	18.687
2.9) Fixed JPO Support ⁽¹⁴⁾	-	-	-	-	-	-	-	-	17.956	-	-	27.118	-	-	-	-	-	27.118
2.10) Depot Standup ⁽¹⁵⁾	-	-	267.907	-	-	150.543	-	-	-	-	-	-	-	-	-	-	-	-
2.11) Depot Standup Software ⁽¹⁶⁾	-	-	-	-	-	-	-	-	20.580	-	-	18.480	-	-	-	-	-	18.480
2.12) Depot Standup Air Vehicle ⁽¹⁷⁾	-	-	-	-	-	-	-	-	161.190	-	-	100.249	-	-	-	-	-	100.249
2.13) Depot Standup Propulsion ⁽¹⁸⁾	-	-	-	-	-	-	-	-	100.767	-	-	78.568	-	-	-	-	-	78.568
<i>Subtotal: Support Cost</i>	-	-	2,845.291	-	-	328.452	-	-	548.449	-	-	421.697	-	-	-	-	-	421.697
Gross/Weapon System Cost	154,489.550	120	18,538.746	138,738.400	10	1,387.384	144,121.647	17	2,450.068	147,396.600	15	2,210.949	-	-	0.000	147,396.600	15	2,210.949

^(†) indicates the presence of a P-5a

Footnotes:

- ⁽¹⁾ Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.
- ⁽²⁾ CFE Electronics (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.
- ⁽³⁾ ECO Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profile reductions in Lot 17 (FY23). More broadly, URF price is expected to increase due to procuring lower overall quantities, removal of Turkish suppliers, COVID recovery and supply chain and inflationary pressures.
- ⁽⁴⁾ Non-recurring Costs include such items as USMC share of Production Non-Recurring Tooling necessary to support and maintain planned production ramp. In addition, FY2023 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering), concurrency engineering, acceptance chase support, technical assistance and Cost Reduction Initiatives (CRI). This cost element includes variable (aircraft qty driven) and fixed costs
- ⁽⁵⁾ Ancillary Equip: FY23 equipment to procure includes: Launcher Hardware Kit, bomb Rank, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, PFE, HMD, PMD.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0152 / JSF STOVL	Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>(6) Airframe PGSE: FY23: First Aircraft Arrival (MCAS Beaufort 2nd Sqdn), additional aircraft (MCAS Beaufort 1st Sqdn)</p> <p>(7) Engine PGSE: FY23: First Aircraft Arrival (MCAS Beaufort 2nd Sqdn)</p> <p>(8) Avionics PGSE: FY23: First Aircraft Arrival (MCAS Beaufort 2nd Sqdn), additional aircraft (MCAS Beaufort 1st Sqdn)</p> <p>(9) Pec Trng Eq: FY23: Unique Training Equipment</p> <p>(10) Full Mission Simulators: FY23: Full Mission Sims (MCAS Iwakuni)</p> <p>(11) ODIN/Tech Data (previously ALIS): Year to year changes in ODIN are a result of investments required to support site and squadron stand-ups. Cost in support of ALIS hardware and standup support to include SOU Modules, Mission Planning, OMS Modules, Maintenance, Administration, and other cost for. FY23: ALIS/ODIN Deployment Kits (MCAS Beaufort, MCAS Cherry Point, MCAS Miramar) In accordance with the Consolidated Appropriations Act for 2021 (P.L. 116-260) Joint Explanatory Statement, Division C, F-35 Part Reimbursement, \$34.3M in total value will be independently invested in two parts by LM between FY2022 - FY2026 to improve Non Ready-for-Issue (Non-RFI) spare parts as a result of the Electronic Equipment Logbooks (EELs) settlement. These investments include \$10M in value for logistics data via the provisioning and cataloging effort and \$24.3M in value via future private investments to further improve the F-35 enterprise. These investments did not result in a credit to the Government therefore a credit will not be reflected in this submission.</p> <p>(12) Other ILS: FY23: Shared Tech Data for Provisioning, Maintenance Planning; Unique Site Activation Planning, FY23 ALIS/ODIN Admins (MCAS Cherry Point)</p> <p>(13) Production Engineering Support: PES is cost-shared with F-35 partners to ensures proper cost-sharing contribution to the enterprise wide requirement. Shared Sustainment Improvement Plan, Propulsion Administrative Labor.</p> <p>(14) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.</p> <p>(15) Depot Standup: Depot activation efforts continue in FY2023. Starting in FY2022, Depot Standup is broken down in details in Depot Standup Software, Depot Standup Air Vehicle, and Depot Standup Propulsion.</p> <p>(16) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu).</p> <p>(17) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots.</p> <p>(18) Depot Standup Propulsion: Shared planning, activation, and capacity expansion for Oklahoma City Air Logistics Center and Fleet Readiness Center Southeast</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL					Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2019 ⁽¹⁹⁾	LOCKHEED MARTIN ⁽²⁰⁾ / FT WORTH	SS / FPIF	NAVAIR	Mar 2019	Jul 2021	22	62,688.273	Y		Jan 2018
1.1.1) Airframe/CFE ^(†)		2020 ⁽²¹⁾	LOCKHEED MARTIN ⁽²⁰⁾ / FT WORTH	SS / FPIF	NAVAIR	Mar 2020	Sep 2022	14	56,421.110	Y		Jan 2018
1.1.1) Airframe/CFE ^(†)		2021 ⁽²²⁾	LOCKHEED MARTIN ⁽²⁰⁾ / FT WORTH	SS / FPIF	NAVAIR	Jun 2022	Apr 2023	10	58,965.873	Y		Jan 2020
1.1.1) Airframe/CFE ^(†)		2022 ⁽²³⁾	LOCKHEED MARTIN ⁽²⁰⁾ / FT WORTH	SS / FPIF	NAVAIR	Jun 2022	Mar 2024	17	59,303.118	Y		Jan 2020
1.1.1) Airframe/CFE ^(†)		2023 ⁽²⁴⁾	LOCKHEED MARTIN ⁽²⁰⁾ / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Jul 2025	15	62,755.067	Y		Jan 2020
1.1.3) Engines/Eng Acc ^(†)		2019	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Sep 2019	Oct 2020	22	28,230.000	Y		Mar 2018
1.1.3) Engines/Eng Acc ^(†)		2020 ⁽²⁵⁾	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2019	Aug 2021	14	26,388.360	Y		Mar 2019
1.1.3) Engines/Eng Acc ^(†)		2021	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Dec 2021	Aug 2022	10	28,925.911	Y		Mar 2020
1.1.3) Engines/Eng Acc ^(†)		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Jun 2023	17	27,454.471	Y		Mar 2020
1.1.3) Engines/Eng Acc ^(†)		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	Nov 2024	15	29,250.000	Y		Mar 2020
Advance Procurement												
CFE-Airframe Long Lead: TR3, Bulkhead		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	15	10,407.067	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	16	9,005.250	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2024	Sep 2025	16	9,059.125	Y		Jan 2023
CFE-Airframe Long Lead: TR3, Bulkhead		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2025	Sep 2026	16	9,121.375	Y		Jan 2024
CFE-Airframe Long Lead: TR3, Bulkhead		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2026	Sep 2027	17	10,788.765	Y		Jan 2025
CFE-Airframe Long Lead: TR3, Bulkhead		2027	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2027	Sep 2028	17	13,825.353	Y		Jan 2026
GFE-Engines Long Lead: Group 4 Rolls Royce		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	1,330.533	Y		Mar 2020
GFE-Engines Long Lead: Group 4 Rolls Royce		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	1,185.750	Y		Mar 2020
GFE-Engines Long Lead: Group 4 Rolls Royce		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	1,197.625	Y		Jan 2023
GFE-Engines Long Lead: Group 4 Rolls Royce		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	1,209.563	Y		Jan 2023

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0152 / JSF STOVL				Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Group 4 Rolls Royce		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	1,221.706	Y		Jan 2023
GFE-Engines Long Lead: Group 4 Rolls Royce		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	17	186.882	Y		Jan 2026
GFE-Engines Long Lead Group 10 Rolls Royce		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Feb 2023	15	203.533	Y		Mar 2020
GFE-Engines Long Lead Group 10 Rolls Royce		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Feb 2024	16	181.438	Y		Mar 2020
GFE-Engines Long Lead Group 10 Rolls Royce		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Feb 2025	16	183.250	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Feb 2026	16	185.063	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Feb 2027	17	186.882	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Feb 2028	17	186.882	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	30	1.567	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	32	2.688	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	32	2.750	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	32	2.781	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	34	3.031	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	34	152.706	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	9.867	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	8.063	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	8.188	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	8.375	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	8.529	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	17	458.118	Y		Jan 2026

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0152 / JSF STOVL				Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	4.200	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	8.063	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	8.188	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	8.375	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	8.529	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	17	458.118	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	30	3.333	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	226.000	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	201.438	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	203.438	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	205.500	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	207.529	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	17	207.529	Y		Jan 2026
GFE-Engines Long Lead: Advanced Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Feb 2024	15	2,263.267	Y		Mar 2020
GFE-Engines Long Lead: Advanced Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Feb 2025	16	1,912.000	Y		Mar 2020
GFE-Engines Long Lead: Advanced Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Feb 2026	16	1,916.750	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Feb 2027	16	1,924.688	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Feb 2028	17	2,556.824	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Feb 2029	17	3,573.471	Y		Jan 2026
(†) indicates the presence of a P-21												

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0152 / JSF STOVL	Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL

Footnotes:

- ⁽¹⁹⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²⁰⁾ F-35B production capacity is influenced by F-35C quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.
- ⁽²¹⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²²⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²³⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²⁴⁾ Date of 1st aircraft delivery have been adjusted for airframe/CFE to account for the production re-baseline, resulting from COVID recovery.
- ⁽²⁵⁾ Date of first delivery was delayed due to production line shortages/delays, resulting from COVID recovery.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL										Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL																			
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020													BALANCE									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT				Calendar Year 2019										Calendar Year 2020																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP								
1.1.1) Airframe/CFE ⁽¹⁾																																							
Prior Years Deliveries: 84																																							
	1	2019	NAVY	22	0	22						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22							
	1	2020	NAVY	14	0	14																					A	-	-	-	-	-	-	-	-	-	-	-	14
	1	2021	NAVY	10	0	10																													10				
	1	2022	NAVY	17	0	17																													17				
	1	2023	NAVY	15	0	15																													15				
1.1.3) Engines/Eng Acc																																							
Prior Years Deliveries: 84																																							
	2	2019	NAVY	22	0	22											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22				
	2	2020	NAVY	14	0	14																					A	-	-	-	-	-	-	-	-	-	-	-	14
	2	2021	NAVY	10	0	10																													10				
	2	2022	NAVY	17	0	17																													17				
	2	2023	NAVY	15	0	15																													15				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP									

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL													Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL											
Cost Elements (Units in Each)							Fiscal Year 2021													Fiscal Year 2022													BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1.1.1) Airframe/CFE ⁽¹⁾																																		
Prior Years Deliveries: 84																																		
	1	2019	NAVY	22	0	22	-	-	-	-	-	-	-	-	-	1	2	-	1	-	2	1	3	2	2	3	5					0		
	1	2020	NAVY	14	0	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	12			
	1	2021	NAVY	10	0	10																										10		
	1	2022	NAVY	17	0	17																										17		
	1	2023	NAVY	15	0	15																										15		
1.1.3) Engines/Eng Acc																																		
Prior Years Deliveries: 84																																		
	2	2019	NAVY	22	0	22	2	2	2	2	2	2	2	3	2	3																0		
	2	2020	NAVY	14	0	14	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	2	2			0			
	2	2021	NAVY	10	0	10																A -	-	-	-	-	-	-	-	1	-	9		
	2	2022	NAVY	17	0	17																					A -	-	-	-	-	17		
	2	2023	NAVY	15	0	15																												15
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL													Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023													Fiscal Year 2024													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023													Calendar Year 2024															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1.1.1) Airframe/CFE ⁽¹⁾																																			
Prior Years Deliveries: 84																																			
	1	2019	NAVY		22	22	0																											0	
	1	2020	NAVY		14	2	12	3	2	1	1	1	3	-	-	-	1																	0	
	1	2021	NAVY		10	0	10	-	-	-	-	-	-	1	1	1	1	-	1	1	-	1	2	1											0
	1	2022	NAVY		17	0	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	2	3	2	-	-	7				
	1	2023	NAVY		15	0	15	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15				
1.1.3) Engines/Eng Acc																																			
Prior Years Deliveries: 84																																			
	2	2019	NAVY		22	22	0																											0	
	2	2020	NAVY		14	14	0																											0	
	2	2021	NAVY		10	1	9	-	1	-	1	1	2	2	2																			0	
	2	2022	NAVY		17	0	17	-	-	-	-	-	-	-	2	1	2	1	2	1	1	2	1	2	1	1								0	
	2	2023	NAVY		15	0	15	A			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15				
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL										Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL													
Cost Elements (Units in Each)							Fiscal Year 2025										Fiscal Year 2026										BALANCE						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025										Calendar Year 2026																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																	
Prior Years Deliveries: 84																																	
	1	2019	NAVY		22	22	0																										0
	1	2020	NAVY		14	14	0																										0
	1	2021	NAVY		10	10	0																										0
	1	2022	NAVY		17	10	7	1	-	-	2	4																				0	
	1	2023	NAVY		15	0	15	-	-	-	-	-	-	-	2	1	-	3	3	3	1	1	1						0				
1.1.3) Engines/Eng Acc																																	
Prior Years Deliveries: 84																																	
	2	2019	NAVY		22	22	0																										0
	2	2020	NAVY		14	14	0																										0
	2	2021	NAVY		10	10	0																										0
	2	2022	NAVY		17	17	0																										0
	2	2023	NAVY		15	0	15	-	1	2	1	1	1	1	2	2	2	2															0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0152 / JSF STOVL					Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LOCKHEED MARTIN ⁽²⁰⁾ - FT WORTH	8	12	24	0	6	22	28	8	6	22	28
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	8	12	24	0	4	17	21	6	8	18	26

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽²⁰⁾ F-35B production capacity is influenced by F-35C quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy								Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0152 / JSF STOVL					
Program Elements for Code B Items: 0204146M						Other Related Program Elements: 0204146N					
Line Item MDAP/MAIS Code: 198											

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (\$ in Millions)	2,342.724	303.035	216.814	200.118	-	200.118	201.313	202.696	254.742	326.430	1,256.086	5,303.958
Net Procurement (P-1) (\$ in Millions)	2,342.724	303.035	216.814	200.118	-	200.118	201.313	202.696	254.742	326.430	1,256.086	5,303.958
Total Obligation Authority (\$ in Millions)	2,342.724	303.035	216.814	200.118	-	200.118	201.313	202.696	254.742	326.430	1,256.086	5,303.958

Description:

Joint Strike Fighter (JSF) program is developing and fielding a family of aircraft that meets the needs of DoD and allies, with the F-35A Conventional Take Off and Landing (CTOL) variant, F-35B Short Take-Off and Vertical Landing (STOVL) variant and F-35C Carrier Variant (CV). The aircraft will have optimum commonality among three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between Department of Navy (DON) and Department of Air Force (DAF) and currently resides with the Navy. The F-35 is next generation of strike fighters to command and maintain global air superiority. Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2024 JSF aircraft.

Note:

(1) F-35B USMC variant Budget Line Item 0152 was created in FY11, prior years budgets were reported under Budget Line Item 0147. The F-35C continues to report under Budget Line Item 0147. CY Advance Procurement for FY2010 F-35B aircraft was included in the FY2010 F-35C budget. The Advance Procurement Credit for FY2010 F-35B aircraft was included in the FY2011 F-35B budget.

The balance of the funds for end items is included in the budget submission.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0152 / JSF STOVL				
Program Elements for Code B Items: 0204146M					Other Related Program Elements: 0204146N				
Line Item MDAP/MAIS Code: 198									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / Joint Strike Fighter - STOVL			120 / 2,342.724	10 / 303.035	17 / 216.814	15 / 200.118	- / -	15 / 200.118
P-40	Total Gross/Weapon System Cost			120 / 2,342.724	10 / 303.035	17 / 216.814	15 / 200.118	- / -	15 / 200.118

*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
The FY2023 budget requests \$200.118M of Advance Procurement for FY2024 long lead materials. No savings is projected with the Advance Procurement (AP) funding requested in FY2024, but it will support Airframe and Engine long-lead parts and materials necessary to protect the Lot 18 delivery schedule.

Full funding for every end item requesting advance procurement is included in the budget submission.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0152 / JSF STOVL			P-5 Number / Title: 1 / Joint Strike Fighter - STOVL	
First System (2023) Award Date: March 2023		First System (2023) Completion Date: January 2025		Interval Between Systems: 1 Months		
Joint Strike Fighter - STOVL		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			120	10	17	15
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
CFE-Airframe Long Lead ⁽⁷⁾		0	1,533.859	147.205	-	-
CFE-Airframe Long Lead: TR3, Bulkhead ^(†)		0	-	-	156.106	144.084
For FY19 Economic Order Quantity (Lot 13)		0	91.489	-	-	-
For FY20 Economic Order Quantity (Lot 14)		0	91.489	-	-	-
For FY21 Economic Order Quantity (Lot 15)		0	84.500	-	-	-
For FY22 Economic Order Quantity (Lot 16)		0	21.125	35.208	-	-
For FY23 Economic Order Quantity (Lot 17)		0	21.125	63.375	-	-
Total: CFE			1,843.587	245.788	156.106	144.084
GFE						
GFE- Engines Long Lead ⁽⁸⁾		0	499.137	57.247	-	-
GFE-Engines Long Lead: Group 4 Rolls Royce ^(†)		23	-	-	19.958	18.972
GFE-Engines Long Lead Group 10 Rolls Royce ^(†)		23	-	-	3.053	2.903
GFE-Engines Long Lead: Group 2 Mount-Signal ^(†)		23	-	-	0.047	0.086
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd ^(†)		23	-	-	0.148	0.129
GFE-Engines Long Lead: Group 2 Sensor Ring Rear ^(†)		23	-	-	0.063	0.129
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control ^(†)		23	-	-	0.100	-
GFE-Engines Long Lead: RR PAL and EAP ^(†)		23	-	-	3.390	3.223
GFE-Engines Long Lead: Advanced Acquisition Contracts ⁽⁹⁾ ^(†)		23	-	-	33.949	30.592
Total: GFE			499.137	57.247	60.708	56.034
Total Advance Procurement/Obligation Authority			2,342.724	303.035	216.814	200.118

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy						Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL			P-5 Number / Title: 1 / Joint Strike Fighter - STOVL

Cost Elements	QPA <i>(Each)</i>	FY 2023					
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
CFE							
CFE-Airframe Long Lead ⁽⁷⁾	1						-
CFE-Airframe Long Lead: TR3, Bulkhead ^(†)	1	18	9,005.250	Mar 2023	16		144.084
For FY19 Economic Order Quantity (Lot 13)	0						-
For FY20 Economic Order Quantity (Lot 14)	0						-
For FY21 Economic Order Quantity (Lot 15)	0						-
For FY22 Economic Order Quantity (Lot 16)	0						-
For FY23 Economic Order Quantity (Lot 17)	0						-
Total: CFE							144.084
GFE							
GFE- Engines Long Lead ⁽⁸⁾	1						-
GFE-Engines Long Lead: Group 4 Rolls Royce ^(†)	1	18	1,185.750	Feb 2023	16		18.972
GFE-Engines Long Lead Group 10 Rolls Royce ^(†)	1	12	181.438	Feb 2023	16		2.903
GFE-Engines Long Lead: Group 2 Mount-Signal ^(†)	2	18	2.688	Feb 2023	32		0.086
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd ^(†)	1	18	8.063	Feb 2023	16		0.129
GFE-Engines Long Lead: Group 2 Sensor Ring Rear ^(†)	1	18	8.063	Feb 2023	16		0.129
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control ^(†)	2						-
GFE-Engines Long Lead: RR PAL and EAP ^(†)	0	18	201.438	Feb 2023	16		3.223
GFE-Engines Long Lead: Advanced Acquisition Contracts ⁽⁹⁾ ^(†)	0	24	1,912.000	Feb 2023	16		30.592
Total: GFE							56.034
Total Advance Procurement/Obligation Authority							200.118

Description:

Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2024 JSF aircraft buy.

Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft.

^(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0152 / JSF STOVL	P-5 Number / Title: 1 / Joint Strike Fighter - STOVL

Footnotes:

⁽⁷⁾ CFE-Airframe Long Lead: AP funding will be used towards the following Air Vehicle suppliers/systems based on the lead time associated with the material(s): TR3 Components (Integrated Core Processor, Aircraft Memory System, Panoramic Cockpit Display); Bulkhead forgings; Collins Landing Gear; BAE Electronic Warfare components; IAI Outer Wing Box; BAE Aft Fuselage components; Northrop Grumman Center Fuselage, Communication, Navigation & Identification (CNI), and Radar components; ATK Wing Skins; Curtiss-Wright Controls LEFDS; Ball Aerospace CNI Integrated Body Apertures; Heroux-Devtek FODUS; Fokker Flaperons; Arkwin Industries Actuators; and Leonardo Wing.

⁽⁸⁾ GFE-Engines Long Lead: Starting in FY22, this is broken down into more details.

⁽⁹⁾ GFE-Engines Long Lead: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. Prior to award of each Advance Acquisition Contract, P&W will be required to provide a termination liability funding schedule, including identification of all vendor and in-house activities, or other such data required to support the amount of termination liability funding requested (Lot 18, FY24 \$30.592M). The amount of termination liability funds requested will cover long-lead obligations (approximately one year) until such time as additional funding is appropriated and made available to the F-35 Lightning II Program.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)					
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0605212N					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 390												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	20	9	11	10	-	10	15	21	21	21	68	196
Gross/Weapon System Cost (<i>\$ in Millions</i>)	3,387.627	1,322.631	1,687.582	1,852.889	0.000	1,852.889	2,166.048	2,778.981	2,759.464	2,704.425	8,871.414	27,531.061
Less PY Advance Procurement (<i>\$ in Millions</i>)	347.535	215.014	201.188	182.903	-	182.903	357.824	456.686	429.723	495.352	1,522.478	4,208.703
Net Procurement (P-1) (<i>\$ in Millions</i>)	3,040.092	1,107.617	1,486.394	1,669.986	0.000	1,669.986	1,808.224	2,322.295	2,329.741	2,209.073	7,348.936	23,322.358
Plus CY Advance Procurement (<i>\$ in Millions</i>)	562.549	201.188	182.903	357.824	-	357.824	456.686	429.723	495.352	510.484	1,011.994	4,208.703
Total Obligation Authority (<i>\$ in Millions</i>)	3,602.641	1,308.805	1,669.297	2,027.810	0.000	2,027.810	2,264.910	2,752.018	2,825.093	2,719.557	8,360.930	27,531.061
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	141.761	163.577	19.666	-	19.666	43.267	7.349	-	-	234.290	609.910
Flyaway Unit Cost (<i>\$ in Thousands</i>)	141,541.000	126,381.111	131,742.636	148,408.600	-	148,408.600	125,802.933	122,387.095	118,782.238	120,018.905	120,930.103	125,493.617
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	169,381.350	146,959.000	153,416.545	185,288.900	-	185,288.900	144,403.200	132,332.429	131,403.048	128,782.143	130,461.971	140,464.597
<p>Description:</p> <p>The CH-53K is a next generation fly by wire heavy-lift helicopter that provides significant improvements in range, payload, performance, cargo handling, turn-around times, reliability, maintainability, interoperability and survivability. It is the only marinized heavy-lift helicopter in the world and the Department of Defense's only heavy-lift helicopter. The CH-53K mission is to support the Marine Air-Ground Task Force (MAGTF) Commander by providing assault support transport of heavy equipment, combat troops, and supplies, day or night under all weather conditions during expeditionary, joint, or combined operations.</p> <p>The CH-53K provides a greater payload at greater ranges than any current or emerging rotorcraft to support the rapid transition of Joint and Coalition forces from contact to blunt layer activities in a contested environment.</p> <p>The system addresses current connector shortfalls making it a critical enabler in the execution of distributed operations; a key component of the Marine Corps' Expeditionary Advanced Base Operations concept which supports the President's National Security Strategy, the Tri-Service Maritime Strategy and the Navy's Distributed Maritime Operational concept. The CH-53K is capable of integrating into the current battlefield and taking advantage of future technologies, such as manned/unmanned teaming and MAGTF digital interoperability. The modern fly by wire system provides greater safety, survivability, and reliability compared to other joint rotorcraft. When compared to the legacy aircraft, the CH-53K improves reliability and decreases operations and support costs by reducing maintenance man hours per flight hour while maximizing work effectiveness and efficiency.</p> <p>Total aircraft quantities for the CH-53K program are 200 helicopters. Of the 200 aircraft, four are System Demonstration Test Articles (SDTAs) and were incrementally funded using RDT&E funds and 196 aircraft are funded with Aircraft Procurement, Navy (APN).</p> <p>The CH-53K System Development and Demonstration program received a successful Milestone C decision on 4 April 2017.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)				
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0605212N			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 390										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / CH-53K (Heavy Lift)	P-5a, P-21			20 / 3,387.627	9 / 1,322.631	11 / 1,687.582	10 / 1,852.889	- / 0.000	10 / 1,852.889
P-40	Total Gross/Weapon System Cost				20 / 3,387.627	9 / 1,322.631	11 / 1,687.582	10 / 1,852.889	- / 0.000	10 / 1,852.889
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
<p>Justification:</p> <p>The FY 2023 APN request funds the procurement of Full Rate Production (FRP) Lot 7 (ten aircraft), as well as advance procurement in support of Lot 8 long-lead materials. A Legislative Proposal has been submitted for a Block Buy contract for Lot 7 and Lot 8 that will yield savings of approximately 5 percent to both Airframe and Engines cost elements. Upon approval of the Legislative Proposal, the FY 2023 budgeted Airframe and Engine cost elements will be adjusted to reflect these savings, and the savings will then be applied to previously identified Cost Reduction Initiatives, such as TRP Ti (titanium) alternate sourcing, Engine Casting alternate sourcing, and Hot Drape Forming process improvement, to continue to reduce total program cost as the Program progresses toward Full Rate Production.</p> <p>This budget exhibit includes an increase from FY 2022 request to address time-critical obsolescence efforts, tooling, organic capability and support equipment that must be procured during FY 2023. This request reflects known pricing for Low Rate Initial Production (LRIP) Lots 1-6 Airframe, LRIP Lots 1-5 Engine, GFE contract awards and the refinement of Depot Capability establishment.</p> <p>NRE requirements address critical obsolescence issues and procure both production rate tooling and supplier production line and manufacturing process improvements required to support the increasing production ramp and meet FRP procurement quantities.</p> <p>Airframe, Engine, and Avionics Peculiar Ground Support Equipment (PGSE) requirements are derived by three factors: scheduled stand-up of CONUS Main Operating Base; Initial Operating Capability (IOC) of sea-based deployment of four plane detachment; and establishment of Depot repair capability for the entire weapons system. A phased approach is being utilized to procure the required PGSE to support IOC plus four years as required by 10 US Code 2464/Navy Support Date (NSD). The cost in each year is based on the specific equipment being purchased for that year's capability establishment, such as main rotor head assembly, main gearbox assembly, tail gearbox assembly, intermediate gearbox, nose gearbox assembly, tail bumper retract actuator, DIRCM cooling fan assembly, engine exhaust assembly, and engine duct assembly, not cost growth.</p> <p>Peculiar Training Equipment procurements are necessary to equip the Fleet Replacement Squadron (FRS) and continue the establishment of training capacity for the CH-53E to CH-53K transition. The FY 2023 Peculiar Training Equipment budget supports procurement of two Containerized Flight Training Devices (CFTD) at MCAS Miramar and Practical Jobs Trainer (PJT), Communication/Navigation/Instrumentation Maintenance Trainer (CNI) and Advanced Aircrew Training Device (AATD) at MCAS New River. These efforts will ensure foundational training capability is established to reduce the need for costly on-aircraft training in support of the CH-53K transition and first deployment.</p> <p>Publications / Tech Data requirements are aligned with the procurement of Product Support Packages, including drawings, procedures, and technical manuals, capturing production aircraft configuration to support Intermediate (I) and Depot (D) level repair capabilities to meet IOC and 10 US Code 2464/NSD requirements.</p> <p>Other ILS requirements support the program transition plan from interim to organic support and Depot Capability establishment, which includes Component Pilot Repair events at Depot and I-Level facilities, validation and verification of procedures, and publishing of final products up to declaration of capability being established for a particular component within the scope of the contract being funded.</p> <p>Production Engineering Support requirements are for Government and Contractor Support Services (CSS) annualized support of the production program.</p>										

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft		P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)
ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: 0605212N	Other Related Program Elements: N/A
Line Item MDAP/MAIS Code: 390		
<p>Initial Spares decrease in FY 2023 as procurement of aircraft spares near completion and that requirement is assumed by NAVSUP WSS. FY 2023 funding is required to build range and depth of T408 Engine spares and spare parts to fully support deployed flight operations in the Fleet.</p> <p>The FY 2021 and FY 2022 enacted includes Congressional rescissions of \$89.583M to FY 2020 and \$36.572M to FY 2021; however, these rescissions are not reflected on the P-40.</p>		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)						Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				20		9		11		10		-		10				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				3,387.627		1,322.631		1,687.582		1,852.889		0.000		1,852.889				
Less PY Advance Procurement <i>(\$ in Millions)</i>				347.535		215.014		201.188		182.903		-		182.903				
Net Procurement (P-1) <i>(\$ in Millions)</i>				3,040.092		1,107.617		1,486.394		1,669.986		0.000		1,669.986				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				562.549		201.188		182.903		357.824		-		357.824				
Total Obligation Authority <i>(\$ in Millions)</i>				3,602.641		1,308.805		1,669.297		2,027.810		0.000		2,027.810				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		141.761		163.577		19.666		-		19.666				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				169,381.350		146,959.000		153,416.545		185,288.900		-		185,288.900				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†) (1)	106,676.450	20	2,133.529	97,622.444	9	878.602	94,376.818	11	1,038.145	98,153.800	10	981.538	-	-	-	98,153.800	10	981.538
1.1.2) Engines ^(†) (2)	5,368.383	60	322.103	4,608.958	24	110.615	4,553.182	33	150.255	4,550.000	30	136.500	-	-	-	4,550.000	30	136.500
1.1.3) CFE Mission Electronics	-	-	4.879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) GFE Electronics	-	-	163.071	-	-	57.813	-	-	66.067	-	-	69.437	-	-	-	-	-	69.437
1.1.6) Other GFE	-	-	5.816	-	-	2.438	-	-	4.796	-	-	4.819	-	-	-	-	-	4.819
1.1.7) Rec Flyaway ECO ⁽³⁾	-	-	10.089	-	-	19.429	-	-	3.160	-	-	59.770	-	-	-	-	-	59.770
Subtotal: Recurring Cost	-	-	2,639.487	-	-	1,068.897	-	-	1,262.423	-	-	1,252.064	-	-	-	-	-	1,252.064
Non Recurring Cost																		
1.2.1) Non-Recurring Cost ⁽⁴⁾	-	-	191.333	-	-	68.533	-	-	180.826	-	-	215.965	-	-	-	-	-	215.965
1.2.2) Ancillary Equip ⁽⁵⁾	-	-	-	-	-	-	-	-	5.920	-	-	16.057	-	-	-	-	-	16.057
Subtotal: Non Recurring Cost	-	-	191.333	-	-	68.533	-	-	186.746	-	-	232.022	-	-	-	-	-	232.022
Subtotal: Flyaway Cost	-	-	2,830.820	-	-	1,137.430	-	-	1,449.169	-	-	1,484.086	-	-	-	-	-	1,484.086
Support Cost																		
2.1) Airframe PGSE ⁽⁶⁾	-	-	106.175	-	-	3.113	-	-	30.451	-	-	86.082	-	-	-	-	-	86.082
2.2) Engine PGSE	-	-	13.890	-	-	-	-	-	9.516	-	-	9.278	-	-	-	-	-	9.278

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)							Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE ⁽⁷⁾	-	-	39.629	-	-	6.800	-	-	2.523	-	-	30.174	-	-	-	-	-	30.174
2.4) Peculiar Training Equip ⁽⁸⁾	-	-	27.863	-	-	16.241	-	-	45.815	-	-	89.296	-	-	-	-	-	89.296
2.5) Pubs / Tech Data ⁽⁹⁾	-	-	118.136	-	-	1.946	-	-	6.575	-	-	38.733	-	-	-	-	-	38.733
2.7) Other ILS ⁽¹⁰⁾	-	-	98.537	-	-	4.950	-	-	44.664	-	-	49.218	-	-	-	-	-	49.218
2.8) Production Engineering Support	-	-	152.577	-	-	62.568	-	-	62.297	-	-	66.022	-	-	-	-	-	66.022
2.9) Congressional Rescissions Enacted ⁽¹¹⁾	-	-	-	-	-	89.583	-	-	36.572	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	556.807	-	-	185.201	-	-	238.413	-	-	368.803	-	-	-	-	-	368.803
Gross/Weapon System Cost	169,381.350	20	3,387.627	146,959.000	9	1,322.631	153,416.545	11	1,687.582	185,288.900	10	1,852.889	-	-	0.000	185,288.900	10	1,852.889

(t) indicates the presence of a P-5a

Footnotes:

- (1) Cost Element 1.1.1: Airframe unit cost increases FY 2022 to FY 2023 due to reduced quantity in FY 2023 and raw material cost increases. Cost estimates informed by LRIP 1-6 contracts and the Independent Government Cost Estimate (IGCE).
- (2) Cost Element 1.1.2: Engine unit cost increases from FY 2022 to FY 2023 due to reduced quantity in FY 2023 and raw material cost increases. Unit Cost estimate is based on actual LRIP Lots 1-5 Engine awards. Lower production quantities are proving to be more costly than previously estimated. FY21 engine quantity accounts for transfer of three (3) SDTA assets to production for use in Lot 5 aircraft.
- (3) Cost Element 1.1.7: Engineering Change Orders (ECO) funding required to address CFE/GFE correction of deficiencies found during flight test and incorporating them into the production configuration. FY2020-FY2022 ECO reflects reduced allocations following realignment of funding to Airframe CFE to support airframe procurements. FY 2023 and subsequent years reflect the correct ECO program requirements.
- (4) Cost Element 1.2.1: FY 2023 NRE requirements are to address known obsolescence issues that will render production aircraft undeliverable as early as Lot 3 (FY 2023 deliveries). Lot 3 aircraft are critical to the transition of the first CH-53K fleet squadron and preparation for their first deployment in FY 2024. Known obsolescence issues requiring non-recurring effort include Active Inceptor System (AIS)-\$47.451M, Flight Control Computer (FCC) phase 2-\$14.441M, Data Transfer Unit Defensive Electronic Countermeasures System Replacement (DDSR) phase 3a-\$15.000M, Blade Fold Distributor (BFD)/Data Concentrator Unit (DCU) phase 2-\$14.000M, Fire Protection-\$14.000M and Wheel Brake Deficiencies-\$6.000M. These obsolescence efforts must be funded in FY 2023 due to lead-time required to correct each issue and incorporate changes into the production configuration. NRE also procures aircraft rate tooling-\$91.014M, engine rate tooling-\$10.677M and supplier production line improvements-\$3.382M required to increase capacity to support the production ramp rate in subsequent years and meet FRP procurement quantities. Tooling lead-time necessitates procurement in FY 2023 in order to meet production rate increases.
- (5) Cost Element 1.2.2: Ancillary Equipment total increases FY 2022 to FY 2023 to procure various aircraft mission kit hardware, such as cabin armor, tactical bulk fuel delivery system (TBFDS), GAU-21 gun mounts, cargo rollers and pallet winches.
- (6) Cost Element 2.1: Airframe PGSE funding increases from FY 2022 to FY 2023 to procure gearbox test stands as part of the program's phased approach to procure the required PGSE for fleet stand up and establish Depot capability within IOC plus 4 years in accordance with US Code 2464. These test stands are critical to maintaining nose, main and tail gearbox assemblies and the overall establishment of organic gearbox support. A portion of prior year PGSE funding was realigned to support critical obsolescence, tooling, and training requirements. While the risk of deferring PGSE requirements was less of an

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)	Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>impact, any additional delay to PGSE in support of organic capability standup cannot be mitigated. Further deferral will result in readiness degradation driven by an increase in Non-Mission Capable Supply AOG situations, and will necessitate extended interim repair support, pressurizing O&S costs.</p> <p>⁽⁷⁾ Cost Element 2.3: Avionics PGSE requirement increases FY 2022 to FY 2023 to support establishment of West Coast I-level repair capability at MCAS Miramar. Component lead times require initial procurements to begin in FY 2023 to support site stand up in FY 2025.</p> <p>⁽⁸⁾ Cost Element 2.4: Peculiar Training Equipment procurements are necessary to equip the Fleet Replacement Squadron (FRS) and continue the establishment of training capacity for the CH-53E to CH-53K transition. The FY 2023 Peculiar Training Equipment budget supports the procurement of two Containerized Flight Training Devices (CFTD) for MCAS Miramar, and the Practical Jobs Trainer (PJT), Communication/Navigation/Instrumentation Trainer (CNI) and Advanced Aircrew Training Device (AATD) for MCAS New River. These efforts will ensure foundational training capability is established and reduces the need for costly on-aircraft training in support of the CH-53K transition and first deployment.</p> <p>⁽⁹⁾ Cost Element 2.5: Pubs/Tech Data requirement increases FY 2022 to FY 2023 to procure O/I/D-level tech manual development and updates to meet IOC and 10 US Code 2464/NSD requirements.</p> <p>⁽¹⁰⁾ Cost Element 2.7: Other ILS total increases FY 2022 to FY 2023 to continue organic capability establishment and Prime ILS management of multiple products and services, including but not limited to production PGSE, maintenance plans, IETMs, DMSMS management, and supply support activities, in order to reduce both cost and contracting cycle-times. This contract serves as the mechanism to process critical updates of these products due to production configuration changes and maintain alignment of Logistics Product Support Packages with the production aircraft configuration.</p> <p>⁽¹¹⁾ Cost Element 2.9: Congressional Rescissions Enacted captures the \$89.583M FY 2020 and \$36.572M FY 2021 rescissions to CH-53K Advanced Procurement. Future budget submissions will reflect the correct enacted FY 2020 and 2021 Advanced Procurement amounts.</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)				Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2017	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Aug 2017	Sep 2021	2	113,082.500	Y		Sep 2015
1.1.1) Airframe/CFE ^(†)		2018	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	May 2019	Jul 2022	5	110,921.000	Y		Sep 2015
1.1.1) Airframe/CFE ^(†)		2019	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	May 2019	Mar 2023	7	105,743.000	Y		Jan 2018
1.1.1) Airframe/CFE ^(†)		2020	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Oct 2020	Jan 2024	6	102,093.000	Y		Jan 2019
1.1.1) Airframe/CFE ^(†)		2021	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jun 2021	May 2024	9	97,622.444	Y		Nov 2019
1.1.1) Airframe/CFE ^(†)		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Feb 2022	Dec 2024	11	94,376.818	Y		Nov 2019
1.1.1) Airframe/CFE ^(†)		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Feb 2023	Dec 2025	10	98,153.800	Y		Jun 2021
1.1.2) Engines ^(†)		2017	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Nov 2017	Aug 2019	6	6,287.333	Y		Jan 2016
1.1.2) Engines ^(†)		2018	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Nov 2017	Jul 2020	15	6,342.933	Y		Jan 2017
1.1.2) Engines ^(†)		2019	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Aug 2019	Mar 2022	21	4,926.952	Y		Jan 2018
1.1.2) Engines ^(†)		2020	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Dec 2020	Feb 2023	18	4,764.944	Y		Apr 2019
1.1.2) Engines ^(†)		2021	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Jan 2021	Jul 2023	24	4,608.958	Y		Apr 2019
1.1.2) Engines ^(†)		2022	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Apr 2022	Jan 2024	33	4,553.182	Y		Apr 2021
1.1.2) Engines ^(†)		2023	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Oct 2022	Jul 2024	30	4,550.000	Y		Apr 2021
Advance Procurement												
FY23 Long Lead - FWD Fuselage Structural Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Aug 2024	9	9,298.889	Y		May 2021
FY23 Long Lead - Transition Structural Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Jun 2024	9	2,825.000	Y		May 2021
FY23 Long Lead - Tail Pylon Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Oct 2024	10	1,498.900	Y		May 2021
FY24 Long Lead - FWD Fuselage Structural Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2025	10	9,663.300	Y		May 2021
FY24 Long Lead - Transition Structural Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Jun 2025	10	2,935.700	Y		May 2022
FY24 Long Lead - Tail Pylon Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Oct 2025	10	1,557.600	Y		May 2021
FY24 Long Lead - Collective/Cyclic Inceptors		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Feb 2025	10	1,034.000	Y		May 2021
FY24 Long Lead - Landing Gear Assembly (Nose & Mains)		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	May 2025	10	958.000	Y		May 2021
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Feb 2025	10	874.700	Y		May 2021

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)					Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FY24 Long Lead - Main Rotor Servo		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Nov 2024	10	771.100	Y		May 2021
FY24 Long Lead - APU Engine Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Oct 2024	6	896.000	Y		May 2021
FY24 Long Lead - Hub Subassembly Forgings		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	May 2025	10	446.300	Y		May 2021
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor		2022	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	10	905.900	Y		Sep 2019
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver		2022	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	30	71.667	Y		Sep 2019
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA)		2022	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Mar 2022	Sep 2023	20	721.700	Y		Dec 2020
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW)		2022	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Mar 2022	Sep 2023	50	163.480	Y		Dec 2020
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR)		2022	Northrop Grumman / Rolling Meadows, IL	SS / FFP	USAF	Apr 2022	Oct 2023	10	453.200	Y		Aug 2019
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor		2023	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	15	1,009.667	Y		Sep 2019
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver		2023	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	45	93.511	Y		Sep 2019
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA)		2023	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2023	Jul 2024	30	675.800	Y		Dec 2020
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW)		2023	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2023	Jul 2024	75	171.467	Y		Dec 2020
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR)		2023	Northrop Grumman / Rolling Meadows, IL	SS / FFP	USAF	Apr 2023	Oct 2024	15	498.800	Y		Aug 2019
(†) indicates the presence of a P-21												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)														
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2017										Fiscal Year 2018													BALANCE				
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT				Calendar Year 2017										Calendar Year 2018														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP			
1.1.1) Airframe/CFE ⁽¹⁾																																		
	1	2017	NAVY		2	0	2											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	1	2018	NAVY		5	0	5																								5			
	1	2019	NAVY		7	0	7																								7			
	1	2020	NAVY		6	0	6																								6			
	1	2021	NAVY		9	0	9																								9			
	1	2022	NAVY		11	0	11																								11			
	1	2023	NAVY		10	0	10																								10			
1.1.2) Engines ⁽²⁾																																		
	2	2017	NAVY		6	0	6											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	2	2018	NAVY		15	0	15											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
	2	2019	NAVY		21	0	21																								21			
	2	2020	NAVY		18	0	18																								18			
	2	2021	NAVY		24	0	24																								24			
	2	2022	NAVY		33	0	33																								33			
	2	2023	NAVY		30	0	30																								30			
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)													
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020										B A L A N C E						
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT				Calendar Year 2019										Calendar Year 2020													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P		
1.1.1) Airframe/CFE ⁽¹⁾																																	
	1	2017	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
	1	2018	NAVY		5	0	5							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	
	1	2019	NAVY		7	0	7							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
	1	2020	NAVY		6	0	6																										6
	1	2021	NAVY		9	0	9																										9
	1	2022	NAVY		11	0	11																										11
	1	2023	NAVY		10	0	10																										10
1.1.2) Engines ⁽²⁾																																	
	2	2017	NAVY		6	0	6	-	-	-	-	-	-	-	-	-	3	-	-	-	3											0	
	2	2018	NAVY		15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	12		
	2	2019	NAVY		21	0	21									A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
	2	2020	NAVY		18	0	18																										18
	2	2021	NAVY		24	0	24																										24
	2	2022	NAVY		33	0	33																										33
	2	2023	NAVY		30	0	30																										30
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2021												Fiscal Year 2022												BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽¹⁾																																				
	1	2017	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1									0				
	1	2018	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	3					
	1	2019	NAVY	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7					
	1	2020	NAVY	6	0	6	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
	1	2021	NAVY	9	0	9											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9			
	1	2022	NAVY	11	0	11																A -		-	-	-	-	-	-	-	-	-	-	-	-	11
	1	2023	NAVY	10	0	10																										10				
1.1.2) Engines ⁽²⁾																																				
	2	2017	NAVY	6	6	0																										0				
	2	2018	NAVY	15	3	12	3	-	3	-	3	3																				0				
	2	2019	NAVY	21	0	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	3	-	3	3		6						
	2	2020	NAVY	18	0	18			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18					
	2	2021	NAVY	24	0	24				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24					
	2	2022	NAVY	33	0	33																A -		-	-	-	-	-	-	-	-	-	-	-	33	
	2	2023	NAVY	30	0	30																										30				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023										Fiscal Year 2024													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT				Calendar Year 2023										Calendar Year 2024													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																	
	1	2017	NAVY		2	2	0																									0	
	1	2018	NAVY		5	2	3	-	1	1	-	1																				0	
	1	2019	NAVY		7	0	7	-	-	-	-	-	1	-	1	1	-	1	1	1	1											0	
	1	2020	NAVY		6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2								0
	1	2021	NAVY		9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1	1	3			
	1	2022	NAVY		11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11			
	1	2023	NAVY		10	0	10					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10			
1.1.2) Engines ⁽²⁾																																	
	2	2017	NAVY		6	6	0																									0	
	2	2018	NAVY		15	15	0																									0	
	2	2019	NAVY		21	15	6	3	3																							0	
	2	2020	NAVY		18	0	18	-	-	-	-	3	6	3	3	3																	0
	2	2021	NAVY		24	0	24	-	-	-	-	-	-	-	-	3	3	3	6	3	3	3											0
	2	2022	NAVY		33	0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	3	6	6	6	3				0	
	2	2023	NAVY		30	0	30	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	6	3	18			
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																			Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)												Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)													
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026												BALANCE	
OCO#	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																
	1	2017	NAVY		2	2	0																									0
	1	2018	NAVY		5	5	0																									0
	1	2019	NAVY		7	7	0																									0
	1	2020	NAVY		6	6	0																									0
	1	2021	NAVY		9	6	3	2	1																							0
	1	2022	NAVY		11	0	11	-	-	2	1	1	1	1	1	1	1	-	-	1	1	1	2	-	2	1	2	0				
	1	2023	NAVY		10	0	10	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	2	-	2	1	2	0				
1.1.2) Engines ⁽²⁾																																
	2	2017	NAVY		6	6	0																									0
	2	2018	NAVY		15	15	0																									0
	2	2019	NAVY		21	21	0																									0
	2	2020	NAVY		18	18	0																									0
	2	2021	NAVY		24	24	0																									0
	2	2022	NAVY		33	33	0																									0
	2	2023	NAVY		30	12	18	6	6	3	3																		0			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)				Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sikorsky A/C Corp - Stratford, CT	3	3	16	0	10	50	60	0	19	38	57
2	General Electric Company - Lynn, MA			TBD	0	13	21	34	0	1	32	33

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)						
Program Elements for Code B Items: 0605212N						Other Related Program Elements: N/A						
Line Item MDAP/MAIS Code: 390												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (\$ in Millions)	562.549	201.188	182.903	357.824	-	357.824	456.686	429.723	495.352	510.484	1,011.994	4,208.703
Net Procurement (P-1) (\$ in Millions)	562.549	201.188	182.903	357.824	-	357.824	456.686	429.723	495.352	510.484	1,011.994	4,208.703
Total Obligation Authority (\$ in Millions)	562.549	201.188	182.903	357.824	-	357.824	456.686	429.723	495.352	510.484	1,011.994	4,208.703

Description:

The CH-53 is the only marinized heavy-lift helicopter in the world and is the Marine Corps only heavy-lift helicopter. The CH-53 mission is the conduct of expeditionary heavy-lift assault transport of armored vehicles, equipment and personnel to support distributed operations deep inland from a sea-based center of operations. The CH-53E "Super Stallion", introduced in 1980, has developed performance degradation, fatigue life, interoperability, maintenance supportability, and other operational concerns.

The CH-53K "King Stallion" is designed to address these concerns and support Marine Air-Ground Task Force heavy-lift requirements in the 21st century joint environment, and is the only heavy-lift platform that can lift the Marine Air-Ground Task Force ashore. The CH-53K provides significant improvements in range and payload, performance, cargo handling, turn-around times, reliability and maintainability, interoperability and survivability.

The CH-53K System Development and Demonstration program received a successful Milestone C decision on 4 April 2017.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy					Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)		
Program Elements for Code B Items: 0605212N			Other Related Program Elements: N/A		

Line Item MDAP/MAIS Code: 390									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / CH-53K (Heavy Lift)			20 / 562.549	9 / 201.188	11 / 182.903	10 / 357.824	- / -	10 / 357.824
P-40	Total Gross/Weapon System Cost			20 / 562.549	9 / 201.188	11 / 182.903	10 / 357.824	- / -	10 / 357.824

*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2023 Advanced Procurement (AP) is required for long-lead materials associated with the procurement of Full Rate Production (FRP) Lot 8 (quantity 15) in FY 2024.

AP is used to procure long-lead materials and aircraft components with an extended production lead-time. These long-lead requirements are essential to establishing and maintaining a production schedule in support of the Marine Aviation Plan and Marine Air-Ground Task Force CH-53E replacement schedule.

Procurement of long-lead items is determined based upon component lead time and the need date for those materials incorporation into the production line build sequence. As such, not all aircraft being procured in a given lot require AP funding. Due to the level of detail now captured in this exhibit, AP requirements will need to be adjusted more frequently as the impact of factors such as inflation, additional production capacity, and shorter build times become known.

Full funding for every end item requesting advance procurement is included in the budget submission.

Enacted rescissions of \$89.583M to FY 2020 and \$36.572M to FY 2021 Advanced Procurement are not reflected on the P-40 exhibit; however, they have been identified on the P-10, captured within the Congressional Rescissions Enacted cost element.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)			P-5 Number / Title: 1 / CH-53K (Heavy Lift)	
First System (2023) Award Date: February 2023		First System (2023) Completion Date: June 2025		Interval Between Systems: 1 Months		
CH-53K (Heavy Lift)		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			20	9	11	10
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
FY17 Long Lead		0	31.253	-	-	-
FY18 Long Lead		0	55.566	-	-	-
FY19 Long Lead		0	127.024	-	-	-
FY20 Long Lead		0	107.354	-	-	-
FY21 Long Lead		0	125.431	-	-	-
FY22 Long Lead		0	-	155.241	-	-
FY23 Long Lead - FWD Fuselage Structural Assembly ^(†)		0	-	-	83.690	-
FY23 Long Lead - Transition Structural Assembly ^(†)		0	-	-	25.425	-
FY23 Long Lead - Tail Pylon Assembly ^(†)		0	-	-	14.989	-
FY23 Long Lead - Other General Procurements/ Subassembly Components ⁽¹⁰⁾		0	-	-	17.670	-
FY24 Long Lead - FWD Fuselage Structural Assembly ^(†)		0	-	-	-	96.633
FY24 Long Lead - Transition Structural Assembly ^(†)		0	-	-	-	29.357
FY24 Long Lead - Tail Pylon Assembly ^(†)		0	-	-	-	15.576
FY24 Long Lead - Collective/Cyclic Inceptors ^(†)		0	-	-	-	10.340
FY24 Long Lead - Landing Gear Assembly (Nose & Mains) ^(†)		0	-	-	-	9.580
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly ^(†)		0	-	-	-	8.747
FY24 Long Lead - Main Rotor Servo ^(†)		0	-	-	-	7.711
FY24 Long Lead - APU Engine Assembly ^(†)		0	-	-	-	5.376
FY24 Long Lead - Hub Subassembly Forgings ^(†)		0	-	-	-	4.463

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)			P-5 Number / Title: 1 / CH-53K (Heavy Lift)
First System (2023) Award Date: February 2023	First System (2023) Completion Date: June 2025		Interval Between Systems: 1 Months		
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
FY24 Long Lead - Other General Procurements/ Subassembly Parts	0	-	-	-	96.598
<i>Total: CFE</i>		446.628	155.241	141.774	284.381
GFE					
GFE - Miscellaneous	0	26.338	9.375	-	-
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor ^(†)	0	-	-	9.059	-
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver ^(†)	0	-	-	2.150	-
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) ^{(11) (†)}	0	-	-	14.434	-
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW) ^(†)	0	-	-	8.174	-
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) ^{(12) (†)}	0	-	-	4.532	-
FY23 Long Lead GFE - Other General Procurements/ Subassembly Parts ⁽¹³⁾	0	-	-	2.780	-
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor ^(†)	0	-	-	-	15.145
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver ^(†)	0	-	-	-	4.208
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) ^(†)	0	-	-	-	20.274
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW) ^(†)	0	-	-	-	12.860
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) ^(†)	0	-	-	-	7.482
FY24 Long Lead GFE - Other General Procurements/ Subassembly Parts	0	-	-	-	13.474
Congressional Rescissions Enacted ⁽¹⁴⁾	0	89.583	36.572	-	-
<i>Total: GFE</i>		115.921	45.947	41.129	73.443
Total Advance Procurement/Obligation Authority		562.549	201.188	182.903	357.824

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy						Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)				P-5 Number / Title: 1 / CH-53K (Heavy Lift)	
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
FY17 Long Lead	0						-
FY18 Long Lead	0						-
FY19 Long Lead	0						-
FY20 Long Lead	0						-
FY21 Long Lead	0						-
FY22 Long Lead	0						-
FY23 Long Lead - FWD Fuselage Structural Assembly ^(†)	0						-
FY23 Long Lead - Transition Structural Assembly ^(†)	0						-
FY23 Long Lead - Tail Pylon Assembly ^(†)	0						-
FY23 Long Lead - Other General Procurements/Subassembly Components ⁽¹⁰⁾	0						-
FY24 Long Lead - FWD Fuselage Structural Assembly ^(†)	0	31	9,663.300	Jan 2023	10		96.633
FY24 Long Lead - Transition Structural Assembly ^(†)	0	29	2,935.700	Jan 2023	10		29.357
FY24 Long Lead - Tail Pylon Assembly ^(†)	0	33	1,557.600	Jan 2023	10		15.576
FY24 Long Lead - Collective/Cyclic Inceptors ^(†)	0	25	1,034.000	Jan 2023	10		10.340
FY24 Long Lead - Landing Gear Assembly (Nose & Mains) ^(†)	0	28	958.000	Jan 2023	10		9.580
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly ^(†)	0	25	874.700	Jan 2023	10		8.747
FY24 Long Lead - Main Rotor Servo ^(†)	0	22	771.100	Jan 2023	10		7.711
FY24 Long Lead - APU Engine Assembly ^(†)	0	21	896.000	Jan 2023	6		5.376
FY24 Long Lead - Hub Subassembly Forgings ^(†)	0	28	446.300	Jan 2023	10		4.463
FY24 Long Lead - Other General Procurements/Subassembly Parts	0						96.598
Total: CFE							284.381
GFE							
GFE - Miscellaneous	0						-
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor ^(†)	0						-

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)			P-5 Number / Title: 1 / CH-53K (Heavy Lift)		
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver ^(†)	0						-
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) ⁽¹¹⁾ (†)	0						-
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW) ^(†)	0						-
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) (12) (†)	0						-
FY23 Long Lead GFE - Other General Procurements/Subassembly Parts (13)	0						-
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor ^(†)	0	18	1,009.667	Feb 2023	15		15.145
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver ^(†)	0	18	93.511	Feb 2023	45		4.208
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) ^(†)	0	18	675.800	Jan 2023	30		20.274
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW) ^(†)	0	18	171.467	Jan 2023	75		12.860
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) ^(†)	0	18	498.800	Apr 2023	15		7.482
FY24 Long Lead GFE - Other General Procurements/Subassembly Parts	0						13.474
Congressional Rescissions Enacted ⁽¹⁴⁾	0						-
Total: GFE							73.443
Total Advance Procurement/Obligation Authority							357.824
<p>Description: The AP will be used to procure long-lead materials and aircraft components with an extended production lead-time. These long-lead requirements are essential to establishing and maintaining a production schedule in support of the Marine Aviation Plan and Marine Air-Ground Task Force CH-53E replacement schedule.</p> <p>Procurement of long-lead items is determined based upon need dates for materials/components incorporation into the production line build sequence.</p> <p>CFE procurements include: various airframe components, forgings and castings, and raw materials (Titanium). GFE procurements include: various communication, navigation and survivability components.</p> <p>Distribution of funding between long-lead CFE and GFE elements continues to evolve as program matures and production lead-times are realized.</p> <p>Long-lead list is subject to change based on lead-time changes and pricing negotiations.</p>							

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1	P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)	P-5 Number / Title: 1 / CH-53K (Heavy Lift)

(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

Footnotes:

(10) Other General Procurements: Multiple subassembly components with various lead-times in excess of 12 months.

(11) Directional Infrared Countermeasures (DIRCM)

(12) Large Aircraft Infrared Countermeasures (LAIRCM)

(13) Other General Procurements: Multiple subassembly components with various lead-times in excess of 12 months.

(14) Congressional Rescissions Enacted captures the \$89.583M FY 2020 and \$36.572M FY 2021 rescissions to CH-53K Advanced Procurement. Future budget submissions will reflect the correct enacted FY 2020 and 2021 Advanced Procurement amounts.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 212												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	378	13	12	-	-	-	-	-	-	-	5	408
Gross/Weapon System Cost (<i>\$ in Millions</i>)	32,276.130	1,263.314	1,103.574	31.795	0.000	31.795	12.692	0.000	0.000	0.000	872.146	35,559.651
Less PY Advance Procurement (<i>\$ in Millions</i>)	1,648.793	26.083	39.547	-	-	-	-	-	-	-	-	1,714.423
Net Procurement (P-1) (<i>\$ in Millions</i>)	30,627.337	1,237.231	1,064.027	31.795	0.000	31.795	12.692	0.000	0.000	0.000	872.146	33,845.228
Plus CY Advance Procurement (<i>\$ in Millions</i>)	1,674.876	39.547	-	-	-	-	-	-	-	-	-	1,714.423
Total Obligation Authority (<i>\$ in Millions</i>)	32,302.213	1,276.778	1,064.027	31.795	0.000	31.795	12.692	0.000	0.000	0.000	872.146	35,559.651
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	6.238	25.627	26.461	-	26.461	26.276	27.066	-	-	377.899	489.567
Flyaway Unit Cost (<i>\$ in Thousands</i>)	74,324.598	86,879.077	83,700.333	-	-	-	-	-	-	-	142,829.800	75,948.936
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The V-22 is a tilt-rotor vertical takeoff and landing aircraft currently being produced for joint service application. The program provides an aircraft to meet the amphibious/vertical assault needs of the United States Marine Corps (USMC), the Carrier Onboard Delivery (COD) needs of the United States Navy (USN), and supplements United States Special Operations Command (USSOCOM) special mission aircraft. The aircraft is capable of flying 2,100 miles with one refueling, and gives the Services the advantage of a Vertical/Short Takeoff and Landing (V/STOL) aircraft that can rapidly self-deploy to any location in the world.

The current procurement objective is 464: 360 MV-22 USMC aircraft, 48 CMV-22 USN aircraft, and 56 CV-22 aircraft for USSOCOM (funded by USSOCOM and the United States Air Force). The program successfully completed Milestone III in the 1st Quarter of 2006, and Initial Operational Capability (IOC) in March of 2007.

The USMC Program of Record (POR) for MV-22 aircraft quantities remains 360. The USN POR for CMV-22 aircraft quantities remains 48.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 212										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / 0164 MV-22	P-5a, P-21			347 / 29,394.864	3 / 315.272	9 / 792.609	- / 23.095	- / 0.000	- / 23.095
P-5	2 / 0164 CMV-22	P-5a, P-21			31 / 2,881.266	10 / 948.042	3 / 310.965	- / 8.700	- / 0.000	- / 8.700
P-40	Total Gross/Weapon System Cost				378 / 32,276.130	13 / 1,263.314	12 / 1,103.574	- / 31.795	- / 0.000	- / 31.795
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: FY 2023 budget request for MV-22 and CMV-22 Production Line Shutdown. Production Line Shutdown begins in FY 2023 to include material, tooling, and special test equipment disposition, technical data procurements or disposition, and storage requirements.										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)							Item Number / Title [DODIC]: 1 / 0164 MV-22					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				347		3		9		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				29,394.864		315.272		792.609		23.095		0.000		23.095				
Less PY Advance Procurement <i>(\$ in Millions)</i>				1,576.975		8.485		17.952		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				27,817.889		306.787		774.657		23.095		0.000		23.095				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				1,585.460		17.952		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				29,403.349		324.739		774.657		23.095		0.000		23.095				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				84,711.424		105,090.667		88,067.667		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†)	64,374.369	347	22,337.906	76,332.931	3	228.999	75,158.845	9	676.430	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) GFE Electronics	-	-	306.752	-	-	6.573	-	-	20.144	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Engines/Eng Acc ^(†) (1)	2,098.288	694	1,456.212	2,208.308	6	13.250	2,267.453	18	40.814	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) Other GFE	-	-	64.247	-	-	1.057	-	-	3.238	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Recurring Flyaway ECO	-	-	163.062	-	-	1.145	-	-	0.196	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	24,328.179	-	-	251.024	-	-	740.822	-	-	0.000	-	-	0.000	-	-	0.000
Non Recurring Cost																		
1.2.1) Non-Recurring Cost	-	-	869.256	-	-	4.059	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.2.2) Production Line Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	23.095	-	-	0.000	-	-	23.095
1.2.3) Ancillary Equipment	-	-	151.576	-	-	5.248	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.2.4) Other	-	-	293.844	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Non Recurring Cost	-	-	1,314.676	-	-	9.307	-	-	0.000	-	-	23.095	-	-	0.000	-	-	23.095
Subtotal: Flyaway Cost	-	-	25,642.855	-	-	260.331	-	-	740.822	-	-	23.095	-	-	0.000	-	-	23.095
Support Cost																		
2.1) Airframe PGSE	-	-	465.768	-	-	0.846	-	-	5.193	-	-	0.000	-	-	0.000	-	-	0.000
2.2) Engine PGSE	-	-	39.141	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)							Item Number / Title [DODIC]: 1 / 0164 MV-22					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE	-	-	240.872	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.4) Pec Trng Eq	-	-	443.832	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.5) Pub/Tech Eq	-	-	112.482	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.6) Prod Eng Supt ⁽²⁾	-	-	1,209.759	-	-	28.837	-	-	24.339	-	-	0.000	-	-	0.000	-	-	0.000
2.7) Other ILS ⁽³⁾	-	-	1,008.755	-	-	25.258	-	-	22.255	-	-	0.000	-	-	0.000	-	-	0.000
2.8) Common SE	-	-	231.400	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Support Cost	-	-	3,752.009	-	-	54.941	-	-	51.787	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	84,711.424	347	29,394.864	105,090.667	3	315.272	88,067.667	9	792.609	-	-	23.095	-	-	0.000	-	-	23.095

(t) indicates the presence of a P-5a

Footnotes:

- ⁽¹⁾ Engines/Eng Acc: FY 2022 unit costs are based off current step ladder pricing per quantities procured.
- ⁽²⁾ Production Engineering Support (PES): Funding in the PES cost element fluctuates from year to year based upon the funding levels sourced by HQMC and Navy. HQMC resources the majority of these support costs in FY 2021 and FY 2022. FY 2022 is the last year of aircraft procurement and the PES is required to support delivery of production aircraft through FY 2024.
- ⁽³⁾ Other ILS: Funding in the Other ILS cost element fluctuates from year to year based upon the funding levels sourced by HQMC and Navy. HQMC resources the majority of these support costs in FY 2021 and FY 2022. Included in this cost element is the Joint Program Based Logistics prime contractor support. FY 2022 is the last year of aircraft procurement and the ILS is required to support delivery of production aircraft through FY 2024.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					Item Number / Title [DODIC]: 1 / 0164 MV-22				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2019	Bell Boeing / Amarillo, TX	SS / FFP	NAVAIR	Dec 2018	Jun 2022	2	71,102.000	Y		Jul 2016
1.1.1) Airframe/CFE ^(†)		2020	Bell Boeing / Amarillo, TX	SS / FFP	NAVAIR	Feb 2020	Jul 2023	2	76,651.500	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2021	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2020	Nov 2022	3	76,332.931	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2022	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2021	Oct 2023	9	75,158.845	Y		Mar 2016
1.1.3) Engines/Eng Acc ^(†)		2019	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	4	2,275.000	Y		Dec 2016
1.1.3) Engines/Eng Acc ^(†)		2020	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	4	2,208.308	Y		Dec 2016
1.1.3) Engines/Eng Acc ^(†)		2021	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	6	2,208.308	Y		Apr 2016
1.1.3) Engines/Eng Acc ^(†)		2022	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2022	Mar 2023	18	2,267.453	Y		Apr 2016
Advance Procurement												
ELEVATOR		2020	Bell Boeing / Amarillo, TX	Various	NAVAIR	Oct 2019	Jul 2022	3	181.350	Y		
ELEVATOR		2021	Bell Boeing / Amarillo, TX	Various	NAVAIR	Oct 2020	Jul 2023	5	181.350	Y		
(†) indicates the presence of a P-21												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)													Item Number / Title [DODIC]: 1 / 0164 MV-22													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2019													Fiscal Year 2020													BALANCE			
OCO#	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT				Calendar Year 2019													Calendar Year 2020													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE																																				
Prior Years Deliveries: 343																																				
	1	2019	NAVY	2 ⁽⁴⁾	0	2			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
	1	2020	NAVY	2 ⁽⁵⁾	0	2																	A -	-	-	-	-	-	-	-	2					
	1	2021	NAVY	3	0	3																									3					
	1	2022	NAVY	9	0	9																									9					
1.1.3) Engines/Eng Acc ⁽¹⁾																																				
Prior Years Deliveries: 686																																				
	2	2019	NAVY	4	0	4																									4					
	2	2020	NAVY	4 ⁽⁶⁾	0	4																									4					
	2	2021	NAVY	6	0	6																									6					
	2	2022	NAVY	18	0	18																									18					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)															Item Number / Title [DODIC]: 1 / 0164 MV-22									
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
OCO#	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022												
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Airframe/CFE																															
Prior Years Deliveries: 343																															
	1	2019	NAVY	2 ⁽⁴⁾	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1		0
	1	2020	NAVY	2 ⁽⁵⁾	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	1	2021	NAVY	3	0	3			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	1	2022	NAVY	9	0	9														A -	-	-	-	-	-	-	-	-	-	-	9
1.1.3) Engines/Eng Acc ⁽¹⁾																															
Prior Years Deliveries: 686																															
	2	2019	NAVY	4	0	4				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2						0
	2	2020	NAVY	4 ⁽⁶⁾	0	4				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2					0
	2	2021	NAVY	6	0	6				A -	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-		2	-	-	2	0
	2	2022	NAVY	18	0	18																A -	-	-	-	-	-	-	-	-	18
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 1 / 0164 MV-22															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023										Fiscal Year 2024													BALANCE					
OCO#	MFR#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP				
1.1.1) Airframe/CFE																																			
Prior Years Deliveries: 343																																			
	1	2019	NAVY	2 ⁽⁴⁾	2	0																													0
	1	2020	NAVY	2 ⁽⁵⁾	0	2	-	-	-	-	-	-	-	-	-	1	-	1																	0
	1	2021	NAVY	3	0	3	-	1	1	1																									0
	1	2022	NAVY	9	0	9	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	-	-	4					
1.1.3) Engines/Eng Acc ⁽¹⁾																																			
Prior Years Deliveries: 686																																			
	2	2019	NAVY	4	4	0																													0
	2	2020	NAVY	4 ⁽⁶⁾	4	0																													0
	2	2021	NAVY	6	6	0																													0
	2	2022	NAVY	18	0	18	-	-	-	-	-	2	-	2	-	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	0				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

LI 0164 - V-22 (Medium Lift) **UNCLASSIFIED** Volume 1 - 93
 Navy Page 9 of 18 P-1 Line #8

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy								Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					Item Number / Title [DODIC]: 1 / 0164 MV-22		

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Bell Boeing - Amarillo, TX	6	10	44	19	3	24	27	0	2	24	26
2	Allison Engine Co. (Rolls Royce) - Indianapolis, IN			88	9	3	14	17	3	3	14	17

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

- (4) FY 2019 Overseas Contingency Operations (OCO) MV-22 aircraft procured with Lot 23 CMV-22 contract will deliver with Lot 25.
- (5) FY 2020 Congressional Add MV-22 aircraft procured will deliver with Lot 25.
- (6) FY 2020 Congressional Add MV-22 engines will deliver with Lot 25.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy														Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)								Item Number / Title [DODIC]: 2 / 0164 CMV-22				
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity (Units in Each)				31		10		3		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				2,881.266		948.042		310.965		8.700		0.000		8.700				
Less PY Advance Procurement (\$ in Millions)				71.818		17.598		21.595		-		-		-				
Net Procurement (P-1) (\$ in Millions)				2,809.448		930.444		289.370		8.700		0.000		8.700				
Plus CY Advance Procurement (\$ in Millions)				89.416		21.595		-		-		-		-				
Total Obligation Authority (\$ in Millions)				2,898.864		952.039		289.370		8.700		0.000		8.700				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)				92,944.065		94,804.200		103,655.000		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†) (7)	71,802.194	31	2,225.868	77,893.341	10	778.933	71,595.579	3	214.787	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) GFE Electronics	-	-	52.361	-	-	20.492	-	-	4.033	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Engines/Eng Acc ^(†) (8)	2,188.210	62	135.669	2,208.300	20	44.166	2,208.300	6	13.250	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) Other GFE	-	-	6.157	-	-	4.302	-	-	6.760	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Recurring Flyaway ECO	-	-	10.433	-	-	3.796	-	-	1.126	-	-	0.000	-	-	0.000	-	-	0.000
1.1.6) Enacted Rescissions ⁽⁹⁾	-	-	0.000	-	-	0.000	-	-	15.210	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	2,430.488	-	-	851.689	-	-	255.166	-	-	0.000	-	-	0.000	-	-	0.000
Non Recurring Cost																		
1.2.1) Non-Recurring Cost	-	-	17.802	-	-	8.152	-	-	1.659	-	-	0.000	-	-	0.000	-	-	0.000
1.2.2) Production Line Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	8.700	-	-	0.000	-	-	8.700
1.2.3) Ancillary Equipment	-	-	3.553	-	-	9.256	-	-	6.757	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Non Recurring Cost	-	-	21.355	-	-	17.408	-	-	8.416	-	-	8.700	-	-	0.000	-	-	8.700
Subtotal: Flyaway Cost	-	-	2,451.843	-	-	869.097	-	-	263.582	-	-	8.700	-	-	0.000	-	-	8.700
Support Cost																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)							Item Number / Title [DODIC]: 2 / 0164 CMV-22					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.1) Airframe PGSE ⁽¹⁰⁾	-	-	65.206	-	-	20.715	-	-	10.734	-	-	0.000	-	-	0.000	-	-	0.000
2.2) Engine PGSE ⁽¹¹⁾	-	-	6.376	-	-	2.528	-	-	0.990	-	-	0.000	-	-	0.000	-	-	0.000
2.3) Avionics PGSE ⁽¹²⁾	-	-	4.546	-	-	6.541	-	-	5.325	-	-	0.000	-	-	0.000	-	-	0.000
2.4) Pec Trng Eq ⁽¹³⁾	-	-	38.661	-	-	21.022	-	-	12.503	-	-	0.000	-	-	0.000	-	-	0.000
2.5) Pub/Tech Eq	-	-	0.889	-	-	0.300	-	-	0.200	-	-	0.000	-	-	0.000	-	-	0.000
2.6) Prod Eng Supt ⁽¹⁴⁾	-	-	148.102	-	-	13.743	-	-	8.521	-	-	0.000	-	-	0.000	-	-	0.000
2.7) Other ILS ⁽¹⁵⁾	-	-	165.643	-	-	14.096	-	-	9.110	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Support Cost	-	-	429.423	-	-	78.945	-	-	47.383	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	92,944.065	31	2,881.266	94,804.200	10	948.042	103,655.000	3	310.965	-	-	8.700	-	-	0.000	-	-	8.700

(t) indicates the presence of a P-5a

Footnotes:

- ⁽⁷⁾ The CMV-22 aircraft is a modification of the MV-22 and will perform the COD mission and include: (1) external conformal fuel tanks to provide the capability to meet the range requirements that the COD mission demands, (2) a high frequency radio to transmit/receive beyond line of sight over water, (3) a public address system for use while transporting passengers, (4) improved cargo handling system, and (5) enhanced fuel jettison. FY 2021 procures 10 CMV-22 aircraft (4 Congressional Add aircraft added in FY 2021), and FY 2022 procures 3 CMV-22 aircraft to support approved Multiyear Procurement III contract.
- ⁽⁸⁾ Engines/Eng Acc: FY 2022 unit costs are based off current step ladder pricing per quantities procured.
- ⁽⁹⁾ The FY 2022 enactment includes congressional rescission of \$15.210 million of Advanced fund in FY 2021. However, the rescission is not reflected on the P-40. The impact of these rescissions are reflected in the other cost elements.
- ⁽¹⁰⁾ Airframe PGSE: FY 2022 is the last year of aircraft procurement and the PGSE is to continue stand up for CMV-22 capability at the squadron level and on board the carriers.
- ⁽¹¹⁾ Engine PGSE: FY 2022 is the last year of aircraft procurement and the PGSE is to continue stand up for CMV-22 capability at the squadron level and on board the carriers.
- ⁽¹²⁾ Avionics PGSE: FY 2022 is the last year of aircraft procurement and the PGSE is to continue stand up for CMV-22 capability at the squadron level and on board the carriers.
- ⁽¹³⁾ Peculiar Training Equipment: A total of 4 Flight Training Devices (3 FTD/ 1 CFTD), 1 Interactive Cockpit Learning Environment (ICLE) device, 1 Cockpit Management System Part Task Trainer (CMS-PTT) device and Virtual Maintenance Training (VMT) devices are required. FY 2022 procurement includes 1 Containerized Flight Training Device.
- ⁽¹⁴⁾ Production Engineering Support (PES): Funding in the PES cost element fluctuates from year to year based upon the funding levels sourced by HQMC and Navy. HQMC resources the majority of these support costs in FY 2021 and FY 2022. FY 2022 is the last year of aircraft procurement and the PES is required to support delivery of production aircraft through FY 2024.
- ⁽¹⁵⁾ Other ILS: Funding in the Other ILS cost element fluctuates from year to year based upon the funding levels sourced by HQMC and Navy. HQMC resources the majority of these support costs in FY 2021 and FY 2022. Included in this cost element is the Joint Program Based Logistics prime contractor support. FY 2022 is the last year of aircraft procurement and the ILS is required to support delivery of production aircraft through FY 2024.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				Item Number / Title [DODIC]: 2 / 0164 CMV-22				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2018	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Jun 2018	Dec 2019	10	70,804.000	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2019	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Nov 2018	Nov 2020	11	71,961.273	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2020	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2019	Apr 2022	10	72,625.371	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2021	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2020	Feb 2023	10	77,893.341	Y		Mar 2016
1.1.1) Airframe/CFE ^(†)		2022	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2021	Mar 2024	3	71,595.579	Y		Mar 2016
1.1.3) Engines/Eng Acc ^(†)		2018	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	May 2018	Jul 2019	20	2,126.300	Y		Apr 2016
1.1.3) Engines/Eng Acc ^(†)		2019	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2019	Mar 2020	22	2,275.091	Y		Apr 2016
1.1.3) Engines/Eng Acc ^(†)		2020	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2020	Mar 2021	20	2,154.566	Y		Apr 2016
1.1.3) Engines/Eng Acc ^(†)		2021	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	20	2,208.300	Y		Apr 2016
1.1.3) Engines/Eng Acc ^(†)		2022	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2022	Mar 2023	6	2,208.300	Y		Apr 2016

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1								P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)															Item Number / Title [DODIC]: 2 / 0164 CMV-22													
Cost Elements (Units in Each)							Fiscal Year 2018												Fiscal Year 2019												BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽⁷⁾																																				
	1	2018	NAVY	10 ⁽¹⁶⁾	0	10													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
	1	2018	AF ^(‡)	1	0	1													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
	1	2018	Total	11	0	11													-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
	1	2019	NAVY	11 ⁽¹⁷⁾	0	11													A -			-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
	1	2020	NAVY	10	0	10																						10								
	1	2021	NAVY	10 ⁽¹⁸⁾	0	10																						10								
	1	2022	NAVY	3	0	3																						3								
1.1.3) Engines/Eng Acc ⁽⁸⁾																																				
	2	2018	NAVY	20	0	20													A -	-	-	-	-	-	-	-	-	-	-	2	2	2	14			
	2	2019	NAVY	22 ⁽¹⁹⁾	0	22													A -						-	-	-	-	-	-	-	-	-	-	22	
	2	2020	NAVY	20	0	20																						20								
	2	2021	NAVY	20	0	20																						20								
	2	2022	NAVY	6	0	6																						6								
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022										
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)													Item Number / Title [DODIC]: 2 / 0164 CMV-22										
Cost Elements (Units in Each)							Fiscal Year 2020													Fiscal Year 2021													BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1.1) Airframe/CFE ⁽⁷⁾																																	
	1	2018	NAVY	10 ⁽¹⁶⁾	0	10	-	-	1	-	-	-	-	1	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	4	
	1	2018	AF ^(‡)	1	0	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	
	1	2018	Total	11	0	11	-	-	1	-	-	1	-	1	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	4	
	1	2019	NAVY	11 ⁽¹⁷⁾	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	1	2	1	1	-	4	
	1	2020	NAVY	10	0	10	A -																									10	
	1	2021	NAVY	10 ⁽¹⁸⁾	0	10														A -												10	
	1	2022	NAVY	3	0	3																										3	
1.1.3) Engines/Eng Acc ⁽⁸⁾																																	
	2	2018	NAVY	20	6	14	2	2	2	2	2	2																				0	
	2	2019	NAVY	22 ⁽¹⁹⁾	0	22	-	-	-	-	-	2	-	3	-	2	2	2	-	3	-	-	-	-	-	-	-	-	-	-	-	8	
	2	2020	NAVY	20	0	20	A -																								7		
	2	2021	NAVY	20	0	20														A -											20		
	2	2022	NAVY	6	0	6																										6	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 2 / 0164 CMV-22															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023													BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP				
1.1.1) Airframe/CFE ⁽⁷⁾																																			
	1	2018	NAVY	10 ⁽¹⁶⁾	6	4	2	2																											0
	1	2018	AF ^(‡)	1	1	0	-	-																											0
	1	2018	Total	11	7	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0			
	1	2019	NAVY	11 ⁽¹⁷⁾	7	4	-	-	-	-	-	-	-	-	-	-	-	4																	0
	1	2020	NAVY	10	0	10	-	-	-	-	-	1	3	2	1	2	1																	0	
	1	2021	NAVY	10 ⁽¹⁸⁾	0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	1	-			4			
	1	2022	NAVY	3	0	3			A	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	3			
1.1.3) Engines/Eng Acc ⁽⁸⁾																																			
	2	2018	NAVY	20	20	0																												0	
	2	2019	NAVY	22 ⁽¹⁹⁾	14	8	-	-	-	4	4																							0	
	2	2020	NAVY	20	13	7	2	3	-	2																								0	
	2	2021	NAVY	20	0	20	-	-	-	-	-	2	-	2	-	2	-	2	2	4	4	2													0
	2	2022	NAVY	6	0	6				A	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	-	2		0				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 2 / 0164 CMV-22													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025														BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1.1) Airframe/CFE ⁽⁷⁾																																	
	1	2018	NAVY	10 ⁽¹⁶⁾	10	0																											0
	1	2018	AF ^(‡)	1	1	0																											0
	1	2018	Total	11	11	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0		
	1	2019	NAVY	11 ⁽¹⁷⁾	11	0																											0
	1	2020	NAVY	10	10	0																											0
	1	2021	NAVY	10 ⁽¹⁸⁾	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3											0
	1	2022	NAVY	3	0	3	-	-	-	-	-	1	1	1																		0	
1.1.3) Engines/Eng Acc ⁽⁸⁾																																	
	2	2018	NAVY	20	20	0																											0
	2	2019	NAVY	22 ⁽¹⁹⁾	22	0																											0
	2	2020	NAVY	20	20	0																											0
	2	2021	NAVY	20	20	0																											0
	2	2022	NAVY	6	6	0	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy								Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				Item Number / Title [DODIC]: 2 / 0164 CMV-22			

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Bell Boeing - Amarillo, TX	6	10	44	19	3	17	20	0	2	24	26
2	Allison Engine Co. (Rolls Royce) - Indianapolis, IN			88	9	3	14	17	3	3	14	17

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

(16) FY 2018 final 2 aircraft of Lot 22 shown in Nov-2021 scheduled to deliver Feb-2022 and Mar-2022.

(17) FY 2019 Congressional Add aircraft (4) contracted with Lot 23 will deliver with Lot 25.

(18) FY 2021 Congressional Add aircraft contracted with Lot 25 to deliver with Lot 26.

(19) FY 2019 engine procurement will have deliveries in Lot 24 and Lot 25. The engine contracts will be awarded in separate actions to meet delivery schedule.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					
Program Elements for Code B Items: N/A							Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 212												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,674.876	39.547	-	-	-	-	-	-	-	-	-	1,714.423
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,674.876	39.547	-	-	-	-	-	-	-	-	-	1,714.423
Total Obligation Authority (<i>\$ in Millions</i>)	1,674.876	39.547	-	-	-	-	-	-	-	-	-	1,714.423

Description:

The V-22 is a tilt-rotor vertical takeoff and landing aircraft currently being produced for joint service application. The program provides an aircraft to meet the amphibious/vertical assault needs of the United States Marine Corps (USMC), the Carrier Onboard Delivery (COD) needs of the United States Navy (USN), and supplements United States Special Operations Command (USSOCOM) special mission aircraft. The aircraft is capable of flying 2,100 miles with one refueling, and gives the Services the advantage of a Vertical/Short Takeoff and Landing (V/STOL) aircraft that can rapidly self-deploy to any location in the world.

The current procurement objective is 464: 360 MV-22 USMC aircraft, 48 CMV-22 USN aircraft, and 56 CV-22 aircraft for USSOCOM (funded by USSOCOM and the United States Air Force). The program successfully completed Milestone III in the 1st Quarter of 2006, and Initial Operational Capability (IOC) in March of 2007.

The Advance Procurement (AP) funding will be used to procure long lead Contractor Furnished Equipment (CFE) items (24 months or greater production lead time) such as raw materials (inclusive of steel, titanium, aluminum, composites), forgings, bearings, fittings, panel assemblies, actuators, liners, bracket assemblies, retainer assemblies, bushings, rib assemblies, frame assemblies, pump assemblies, buffers, empennage assemblies, unions, flight control computers, lightweight inertial navigation system, skin assemblies, advanced mission computers, tube assemblies, gearboxes, and airframe structural components. V-22 lead times for components have been as high as 40.6 months (empennage assemblies). Other specific material lead items are 130 degree heavy duty hex drive bolts (39.0 months), remote transmitters (36.6 months), drag strut actuator assemblies (35.8 months), and steering unit supplier pull (35 months). All of these long lead items are essential to maintaining the current schedule.

The USMC Program of Record (POR) for MV-22 aircraft quantities remains at 360. The USN POR for CMV-22 aircraft quantities remains at 48.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 212									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / 0164 MV-22			347 / 1,585.460	3 / 17.952	9 / -	- / -	- / -	- / -
P-10	2 / 0164 CMV-22			31 / 89.416	10 / 21.595	3 / -	- / -	- / -	- / -
P-40	Total Gross/Weapon System Cost			378 / 1,674.876	13 / 39.547	12 / -	- / -	- / -	- / -
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									
<p>Justification: FY 2023 Advance Procurement: none requested. FY 2022 Advance Procurement: none requested. FY 2021 Advance Procurement funding was requested for the long-lead requirements associated with the procurement of five (5) MV-22 aircraft and seven (7) CMV-22 in FY 2022. Subsequently, the Navy decreased the FY 2022 CMV-22 aircraft quantity from seven (7) to three (3). \$15.210M remains unobligated due to the CMV-22 aircraft reduction in FY 2022. Airframe/CFE requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule.</p> <p>Cost estimates use Multiyear Procurement contract structure for FY 2018 - FY 2022 for MV-22 and CMV-22.</p>									

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)			P-5 Number / Title: 1 / 0164 MV-22	
First System (2023) Award Date: November 2019		First System (2023) Completion Date: October 2020		Interval Between Systems: 24 Months		
0164 MV-22		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			347	3	9	-
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
Prior Years EOQ/Long Lead		0	1,432.898	-	-	-
ELEVATOR (†)		0	0.544	0.907	-	-
SHOCK STRUT ASSY,MAIN LANDING GEARRIGHT SIDE		0	0.417	-	-	-
FLIR TURRET		0	-	3.668	-	-
RAMP ACTUATOR, MASTER		0	-	0.242	-	-
RAMP ACTUATOR, SLAVE		0	-	0.145	-	-
CROWN SKIN ASSEMBLY		0	0.056	-	-	-
CONSTANT FREQUENCY GENERATOR		0	0.526	-	-	-
EMPENNAGE, MV		0	5.517	9.195	-	-
Total: CFE			1,439.958	14.157	-	0.000
GFE						
GFE Prior Year		0	144.077	-	-	-
Magazine with Breechplate		0	-	0.221	-	-
Sequencer Switch		0	0.080	0.134	-	-
Rcvr, Navigation Set		0	-	0.257	-	-
Rcvr/Trans IFF		0	0.412	0.687	-	-
Remote Control Unit		0	0.429	0.714	-	-
Receiver, Radio Navigation (MAGR 2000-S)		0	0.231	0.384	-	-
Rcvr/Trans RADALT		0	0.273	0.455	-	-
Data Transfer Unit (DTU)		0	-	0.743	-	-
Life Raft (with Survival Gear)		0	-	0.200	-	-
Total: GFE			145.502	3.795	-	0.000
Total Advance Procurement/Obligation Authority			1,585.460	17.952	-	-

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy						Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				P-5 Number / Title: 1 / 0164 MV-22	
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
Prior Years EOQ/Long Lead	0						-
ELEVATOR ^(t)	0						-
SHOCK STRUT ASSY,MAIN LANDING GEARRIGHT SIDE	0						-
FLIR TURRET	0						-
RAMP ACTUATOR, MASTER	0						-
RAMP ACTUATOR, SLAVE	0						-
CROWN SKIN ASSEMBLY	0						-
CONSTANT FREQUENCY GENERATOR	0						-
EMPENNAGE, MV	0						-
<i>Total: CFE</i>							0.000
GFE							
GFE Prior Year	0						-
Magazine with Breechplate	0						-
Sequencer Switch	0						-
Rcvr, Navigation Set	0						-
Rcvr/Trans IFF	0						-
Remote Control Unit	0						-
Receiver, Radio Navigation (MAGR 2000-S)	0						-
Rcvr/Trans RADALT	0						-
Data Transfer Unit (DTU)	0						-
Life Raft (with Survival Gear)	0						-
<i>Total: GFE</i>							0.000
Total Advance Procurement/Obligation Authority							-
Description: Advance Procurement will be used to procure long lead items. ^(t) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.							

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)		P-5 Number / Title: 2 / 0164 CMV-22	
First System (2023) Award Date: November 2019		First System (2023) Completion Date: October 2020		Interval Between Systems: 24 Months		
0164 CMV-22		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>
Quantity			31	10	3	-
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>
CFE						
Prior Year Long Lead	0	61.295	-	-	-	
ELEVATOR	0	-	0.544	-	-	
SHOCK STRUT ASSY,MAIN LANDING GEARLEFT SIDE	0	-	0.946	-	-	
FLIR TURRET	0	-	2.201	-	-	
RAMP ACTUATOR, SLAVE	0	-	0.087	-	-	
EMPENNAGE, CMV	0	15.131	1.075	-	-	
Total: CFE		76.426	4.853	-	0.000	
GFE						
Prior Year GFE	0	10.523	-	-	-	
Magazine with Breechplate	0	-	0.133	-	-	
Sequencer Switch	0	0.267	0.080	-	-	
Indicator, Radar Signal	0	-	0.091	-	-	
Rcvr, Navigation Set	0	-	0.154	-	-	
Rcvr/Trans IFF	0	-	0.414	-	-	
Remote Control Unit	0	1.429	0.429	-	-	
Receiver, Radio Navigation (MAGR 2000-S)	0	0.771	0.231	-	-	
Enacted Rescission ⁽¹⁵⁾	0	-	15.210	-	-	
Total: GFE		12.990	16.742	-	0.000	
Total Advance Procurement/Obligation Authority		89.416	21.595	-	-	

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy						Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)			P-5 Number / Title: 2 / 0164 CMV-22

Cost Elements	QPA <i>(Each)</i>	FY 2023					
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
CFE							
Prior Year Long Lead	0						-
ELEVATOR	0						-
SHOCK STRUT ASSY,MAIN LANDING GEARLEFT SIDE	0						-
FLIR TURRET	0						-
RAMP ACTUATOR, SLAVE	0						-
EMPENNAGE, CMV	0						-
Total: CFE							0.000
GFE							
Prior Year GFE	0						-
Magazine with Breechplate	0						-
Sequencer Switch	0						-
Indicator, Radar Signal	0						-
Rcvr, Navigation Set	0						-
Rcvr/Trans IFF	0						-
Remote Control Unit	0						-
Receiver, Radio Navigation (MAGR 2000-S)	0						-
Enacted Rescission ⁽¹⁵⁾	0						-
Total: GFE							0.000
Total Advance Procurement/Obligation Authority							-

Description:

Advance Procurement will be used to procure long lead items

Footnotes:

⁽¹⁵⁾ Enacted Rescission: The FY 2022 enactment includes congressional rescission of \$15.210 million of Advanced fund in FY 2021. However, the rescission is not reflected on the P-40. The impact of these rescissions are reflected in the other cost elements.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: 0604245N					
Line Item MDAP/MAIS Code: 101												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	349	-	-	-	-	-	-	-	-	-	-	349
Gross/Weapon System Cost (<i>\$ in Millions</i>)	10,551.555	3.816	0.939	0.000	0.000	0.000	0.069	0.225	0.234	0.239	-	10,557.077
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	10,551.555	3.816	0.939	0.000	0.000	0.000	0.069	0.225	0.234	0.239	-	10,557.077
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	10,551.555	3.816	0.939	0.000	0.000	0.000	0.069	0.225	0.234	0.239	-	10,557.077
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	26,006.587	-	-	-	-	-	-	-	-	-	-	26,006.587
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The mission of the AH-1Z attack helicopter is to provide rotary wing close air support, anti-armor, armed escort, armed/visual reconnaissance, anti-helicopter and point air defense and fire support coordination during day/night conditions. UH-1Y utility helicopter also provides command and control and combat assault support during day/night and reduced weather conditions. The UH-1Y/AH-1Z procurement strategy is to convert 37 AH-1W helicopters into AH-1Zs (complete), build 152 new AH-1Zs, remanufacture ten (10) H-1N helicopters into UH-1Ys (complete), and build 150 new UH-1Y models. The UH-1Y and AH-1Z share an 85 percent common footprint, which includes portions of maintenance planning, technical data, supply support, support equipment, facilities, and resources required at the intermediate and depot level maintenance activities for both structural and avionics items of repair.

The UH-1Y and AH-1Z include a new 4-bladed rotor system with semiautomatic blade fold of the new composite rotor blades, performance-matched transmissions, a new 4-bladed tail rotor and drive system, upgraded landing gear, and pylon structural modifications as compared to the legacy aircraft. Both aircraft also incorporate common, modernized, and fully integrated cockpits/avionics that will reduce operator work load and improve situational awareness and safety. The UH-1Y/AH-1Z aircraft have increased maneuverability, speed, and payload capability. Additionally, the AH-1Z upgrades the current AH-1W Night Targeting System (NTS) Forward Looking Infrared (FLIR) system to a 3rd generation, staring, focal plane array FLIR that significantly extends autonomous weapons engagement ranges.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: 0604245N				
Line Item MDAP/MAIS Code: 101										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / UH-1Y				160 / 4,260.200	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-5	2 / AH-1Z	P-5a, P-21			189 / 6,291.355	- / 3.816	- / 0.939	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				349 / 10,551.555	- / 3.816	- / 0.939	- / 0.000	- / 0.000	- / 0.000
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										
Justification: There is no funding request in FY 2023.										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z							Item Number / Title [DODIC]: 1 / UH-1Y					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				160		-		-		-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				4,260.200		0.000		0.000		0.000			0.000			0.000		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				4,260.200		0.000		0.000		0.000			0.000			0.000		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				4,260.200		0.000		0.000		0.000			0.000			0.000		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				26,626.250		-		-		-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE	18,086.725	160	2,893.876	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) GFE Electronics	-	-	314.204	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Engines/Eng Acc (new)	553.597	248	137.292	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) Engines/Eng Acc (refurb)	386.472	72	27.826	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Armament	-	-	1.526	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.6) Other GFE	-	-	46.235	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.7) ECO	-	-	65.878	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	3,486.837	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Non Recurring Cost																		
1.2.1) Non-Recur Cost	-	-	125.857	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.2.2) Ancillary Equip	-	-	14.815	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Non Recurring Cost	-	-	140.672	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Flyaway Cost	-	-	3,627.509	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Support Cost																		
2.1) Airframe PGSE	-	-	169.314	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2) Pec trng Eq	-	-	117.373	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.3) Pub/Tech Eq	-	-	86.087	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.4) Prod Eng Supt	-	-	136.620	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z							Item Number / Title [DODIC]: 1 / UH-1Y					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.5) Other ILS	-	-	120.304	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.6) Reclamation	-	-	2.993	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Support Cost	-	-	632.691	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	26,626.250	160	4,260.200	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z							Item Number / Title [DODIC]: 2 / AH-1Z								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				189			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				6,291.355			3.816			0.939			0.000			0.000			0.000		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				6,291.355			3.816			0.939			0.000			0.000			0.000		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				6,291.355			3.816			0.939			0.000			0.000			0.000		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				33,287.593			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†)	20,167.471	189	3,811.652	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.2) GFE Electronics	-	-	867.454	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.3) Engines/Eng Acc (new) ^(†)	782.715	274	214.464	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.4) Engines/Eng Acc (refurb)	313.846	104	32.640	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.5) Armament	-	-	83.660	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.6) Other GFE	-	-	49.623	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.7) Rec Flyaway ECO	-	-	72.027	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Recurring Cost	-	-	5,131.520	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Non Recurring Cost																					
1.2.1) Non-Recur Cost	-	-	130.281	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.2.3) Ancillary Equip	-	-	186.989	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Non Recurring Cost	-	-	317.270	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Flyaway Cost	-	-	5,448.790	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Support Cost																					
2.1) Airframe PGSE ⁽¹⁾	-	-	186.048	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
2.2) Pec Trng Eq	-	-	139.381	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
2.3) Pub/Tech Eq	-	-	97.796	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z							Item Number / Title [DODIC]: 2 / AH-1Z					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.4) Prod Eng Supt	-	-	229.527	-	-	2.766	-	-	0.481	-	-	0.000	-	-	0.000	-	-	0.000
2.5) Other ILS	-	-	166.820	-	-	1.050	-	-	0.458	-	-	0.000	-	-	0.000	-	-	0.000
2.6) Reclamation	-	-	2.993	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.7) Other Support	-	-	20.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Support Cost	-	-	842.565	-	-	3.816	-	-	0.939	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	33,287.593	189	6,291.355	-	-	3.816	-	-	0.939	-	-	0.000	-	-	0.000	-	-	0.000

(t) indicates the presence of a P-5a

Footnotes:

(1) Airframe PGSE includes requirements to complete deferred depot stand-up in compliance with Title 10 organic depot capability requirement.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z				Item Number / Title [DODIC]: 2 / AH-1Z				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2019	Bell Helicopter / Fort Worth TX	C / FPIF	NAVAIR	Jan 2019	Mar 2021	25	18,934.000	Y		Jan 2018
1.1.3) Engines/Eng Acc (new) ^(†)		2019	General Electric Co. / Lynn, MA	C / IDIQ	AMCOM	Jun 2019	Apr 2020	50	749.060	Y		Jan 2018

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z													Item Number / Title [DODIC]: 2 / AH-1Z									
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2019												Fiscal Year 2020												BALANCE	
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019												Calendar Year 2020													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.1.1) Airframe/CFE																																
Prior Years Deliveries: 164																																
	1	2019	NAVY	25	0	25				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
1.1.3) Engines/Eng Acc (new)																																
Prior Years Deliveries: 224																																
	2	2019	NAVY	50	0	50									A -	-	-	-	-	-	-	-	-	-	4	4	4	4	4	4	4	26
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z													Item Number / Title [DODIC]: 2 / AH-1Z												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2021												Fiscal Year 2022												BALANCE				
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.1) Airframe/CFE																																			
Prior Years Deliveries: 164																																			
	1	2019	NAVY		25	0	25	-	-	-	-	-	2	3	2	3	2	3	1	1	2	2	2	2											0
1.1.3) Engines/Eng Acc (new)																																			
Prior Years Deliveries: 224																																			
	2	2019	NAVY		50	24	26	4	4	4	4	5	5																						0
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z					Item Number / Title [DODIC]: 2 / AH-1Z			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Bell Helicopter - Fort Worth TX	24	26	32	10	3	24	27	10	3	24	27
2	General Electric Co. - Lynn, MA	12	24	60	2	3	16	19	10	3	10	13

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0193 / P-8A Poseidon					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: 0605500N					Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 334												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	119	9	-	-	-	-	-	-	-	-	-	128
Gross/Weapon System Cost (<i>\$ in Millions</i>)	24,127.873	1,575.000	44.595	41.521	0.000	41.521	50.710	27.611	0.000	0.000	-	25,867.310
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	24,127.873	1,575.000	44.595	41.521	0.000	41.521	50.710	27.611	0.000	0.000	-	25,867.310
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24,127.873	1,575.000	44.595	41.521	0.000	41.521	50.710	27.611	0.000	0.000	-	25,867.310
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	0.085	-	0.085	-	-	-	-	-	0.085
Flyaway Unit Cost (<i>\$ in Thousands</i>)	171,187.303	173,116.000	-	-	-	-	-	-	-	-	-	172,217.156
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	202,755.235	175,000.000	-	-	-	-	-	-	-	-	-	202,088.359

Description:

The P-8A Multi-mission Maritime Aircraft (MMA) system is a heavily modified and militarized derivative of Boeing's 737-800 ERX commercial aircraft. The P-8A is the replacement system for the P-3C. The P-8A will sustain and improve the armed maritime and littoral Intelligence, Surveillance, and Reconnaissance capabilities for U.S. Naval Forces in traditional, joint and combined roles to counter changing and emerging threats. The P-8A will have a substantial role in Sea Power 21 and will satisfy several mission requirements in Sea Shield, Sea Strike and FORCEnet. The primary roles of the P-8A are persistent Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW). The procurement funds the production of the aircraft, trainers and associated support equipment.

Note: April 2018 OPNAV P-8A Requirements and Resources Review Board (R3B) decision set total P-8A inventory at 138 aircraft, which includes 12 aircraft to support fully transitioning two USNR squadrons to P-8A. In the currently funded program of 128 aircraft, 11 aircraft are designated to recapitalize Navy Reserve Maritime Patrol and Reconnaissance Forces at NAS Jacksonville, FL (VP-62) and NAS Whidbey Island, WA (VP-69), and would be used to support all Maritime Patrol and Reconnaissance Forces (MPRF) mission areas required by the National Security Plan, National Defense Plan and the Defense Plan. Due to a required balancing of overall Navy fiscal and warfighting capability priorities, only 128 P-8A aircraft are currently funded and FY 2021 is planned as the last year of Aircraft procurements. Funding programmed in FY 2023 procures required P-8A Ancillary Equipment, publications, and integrated logistics and production engineering support requirements that were not included in the FY 2021 Congressional Add, but are required to fully transition the 2 USNR squadrons to P-8A starting in FY2023. Additionally FY 2023 funding supports the initiation of incremental Production Line Shutdown and Acquisition Closure requirements that continue through FY 2025.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0193 / P-8A Poseidon				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: 0605500N			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 334										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)	P-5a, P-21			119 / 24,127.873	9 / 1,575.000	- / 44.595	- / 41.521	- / 0.000	- / 41.521
P-40	Total Gross/Weapon System Cost				119 / 24,127.873	9 / 1,575.000	- / 44.595	- / 41.521	- / 0.000	- / 41.521
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

The FY 2023 request funds the procurement of Ancillary Equipment, publications, and integrated logistics and production engineering support that are required to fully transition the 2 USNR squadrons to P-8A starting in FY2023. The last FY 2021 aircraft delivery (final P-8A buy) is scheduled to occur in the second quarter of FY 2025.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0193 / P-8A Poseidon						Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				119		9		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				24,127.873		1,575.000		44.595		41.521		0.000		41.521				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				24,127.873		1,575.000		44.595		41.521		0.000		41.521				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				24,127.873		1,575.000		44.595		41.521		0.000		41.521				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		0.085		-		0.085				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				202,755.235		175,000.000		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†)	114,462.287	129	14,765.635	132,887.097	9	1,195.984	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) CFE Electronics	-	-	3,211.013	-	-	186.821	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) GFE Electronics	-	-	1,141.898	-	-	132.030	-	-	-	-	-	-	-	-	-	-	-	
1.1.4) Other GFE	-	-	1.521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.5) Rec Flyaway ECO	-	-	579.708	-	-	22.500	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	19,699.775	-	-	1,537.335	-	-	-	-	-	-	-	-	-	-	-	
Non Recurring Cost																		
1.2.1) Ancillary Equip	-	-	186.571	-	-	-	-	-	13.000	-	-	14.000	-	-	-	-	14.000	
1.2.2) Non-Recur Cost	-	-	484.943	-	-	20.709	-	-	-	-	-	-	-	-	-	-	-	
1.2.3) Production Line Shutdown	-	-	-	-	-	-	-	-	-	-	-	10.089	-	-	-	-	10.089	
1.2.4) Acquisition Closure	-	-	-	-	-	-	-	-	-	-	-	4.000	-	-	-	-	4.000	
Subtotal: Non Recurring Cost	-	-	671.514	-	-	20.709	-	-	13.000	-	-	28.089	-	-	-	-	28.089	
Subtotal: Flyaway Cost	-	-	20,371.289	-	-	1,558.044	-	-	13.000	-	-	28.089	-	-	-	-	28.089	
Support Cost																		
2.1) Airframe PGSE	-	-	300.804	-	-	-	-	-	4.000	-	-	-	-	-	-	-	-	
2.2) Engine PGSE	-	-	16.578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy										Date: April 2022									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0193 / P-8A Poseidon					Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)									
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:									

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Avionics PGSE	-	-	870.246	-	-	-	-	-	6.000	-	-	-	-	-	-	-	-	-
2.4) Pec Trng Eq	-	-	1,529.797	-	-	-	-	-	1.884	-	-	-	-	-	-	-	-	-
2.5) Pub/Tech Eq	-	-	320.171	-	-	-	-	-	2.500	-	-	2.500	-	-	-	-	-	2.500
2.6) Prod Eng Supt	-	-	297.661	-	-	10.957	-	-	11.121	-	-	5.827	-	-	-	-	-	5.827
2.7) Other ILS	-	-	421.327	-	-	5.999	-	-	6.090	-	-	5.105	-	-	-	-	-	5.105
Subtotal: Support Cost	-	-	3,756.584	-	-	16.956	-	-	31.595	-	-	13.432	-	-	-	-	-	13.432
Gross/Weapon System Cost	202,755.235	119	24,127.873	175,000.000	9	1,575.000	-	-	44.595	-	-	41.521	-	-	0.000	-	-	41.521

Remarks:
NOTES: Totals may not add due to rounding.

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0193 / P-8A Poseidon				Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2020	The Boeing Company ⁽¹⁾ / Seattle, WA	SS / FPIF	NAVAIR	Mar 2020	Apr 2022	8	125,517.750	Y		Nov 2018
1.1.1) Airframe/CFE ^(†)		2021	The Boeing Company ⁽¹⁾ / Seattle, WA	SS / FPIF	NAVAIR	Apr 2021	Nov 2023	9	132,887.097	Y		Nov 2018

^(†) indicates the presence of a P-21

Footnotes:
⁽¹⁾ Boeing decision to reduce P-8A Production Rate and maximum capacity implemented in FY21 due to reduced orders.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0193 / P-8A Poseidon										Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)													
Cost Elements (Units in Each)							Fiscal Year 2020													Fiscal Year 2021													BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020													Calendar Year 2021													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1.1.1) Airframe/CFE																																	
Prior Years Deliveries: 121																																	
	1	2020	NAVY		8	0	8							A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
	1	2021	NAVY		9	0	9																			A	-	-	-	-	-	-	9
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0193 / P-8A Poseidon										Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022													Fiscal Year 2023													BALANCE
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1.1.1) Airframe/CFE																																	
Prior Years Deliveries: 121																																	
	1	2020	NAVY	8	0	8	-	-	-	-	-	-	1	-	-	1	-	1	-	1	-	1	-	1	-	-	-	-	-	1	1		
	1	2021	NAVY	9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0193 / P-8A Poseidon										Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024													Fiscal Year 2025													BALANCE		
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024													Calendar Year 2025															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.1) Airframe/CFE																																			
Prior Years Deliveries: 121																																			
	1	2020	NAVY		8		7		1		1																							0	
	1	2021	NAVY		9		0		9		-		1		1		1		1		1		-		-		1		-		-		1		0
											O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0193 / P-8A Poseidon				Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	The Boeing Company ⁽¹⁾ - Seattle, WA	6	12	12	9	7	34	41	9	7	23	30

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽¹⁾ Boeing decision to reduce P-8A Production Rate and maximum capacity implemented in FY21 due to reduced orders.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0195 / E-2D AHE					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 000												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	102	5	5	5	-	5	-	-	-	-	8	125
Gross/Weapon System Cost <i>(\$ in Millions)</i>	15,448.062	961.629	944.475	1,043.967	0.000	1,043.967	349.295	64.006	0.000	0.000	2,234.667	21,046.101
Less PY Advance Procurement <i>(\$ in Millions)</i>	2,414.790	175.492	194.856	201.566	-	201.566	-	-	-	-	-	2,986.704
Net Procurement (P-1) <i>(\$ in Millions)</i>	13,033.272	786.137	749.619	842.401	0.000	842.401	349.295	64.006	0.000	0.000	2,234.667	18,059.397
Plus CY Advance Procurement <i>(\$ in Millions)</i>	2,744.600	123.166	118.938	-	-	-	-	-	-	-	-	2,986.704
Total Obligation Authority <i>(\$ in Millions)</i>	15,777.872	909.303	868.557	842.401	0.000	842.401	349.295	64.006	0.000	0.000	2,234.667	21,046.101
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	11.106	2.399	6.416	-	6.416	1.564	2.260	-	-	2.826	26.571
Flyaway Unit Cost <i>(\$ in Thousands)</i>	130,100.480	158,944.400	154,163.000	163,608.600	-	163,608.600	-	-	-	-	228,566.625	141,226.424
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	151,451.588	192,325.800	188,895.000	208,793.400	-	208,793.400	-	-	-	-	279,333.375	168,368.808

Description:

The E-2D Advanced Hawkeye (AHE) is an all-weather, twin engine, carrier-based, Airborne Command, Control and Surveillance aircraft designed to extend task force defense perimeters. The AHE mission is to provide advance warning of approaching enemy surface units and aircraft, to vector interceptors or strike aircraft to attack, and to provide area surveillance, intercept, search and rescue, communications relay, and strike/air traffic control. Key AHE objectives include: improved battle space target detection and situational awareness, especially in the littorals; support of Theater Air Missile Defense operations; and improved Operational Availability.

Avionics PGSE fully funds procurements for various equipment required to establish E-2D organic depot capability in accordance with Title 10 U.S. Code 2464 - Core Logistics capability requirements.

0195 BLI Prior Year includes E-2C Procurement (Qty 44)

0195 BLI procurement quantity (qty) increased per R3B memo dated 19 July 2019 which identified the requirement for 11 additional E-2D aircraft to fill fleet aircraft shortfalls due to insufficient pipeline and scheduled aircraft modifications. Cost To Complete (CTC) includes costs associated with the qty 8 aircraft, since two aircraft were added by Congress in FY 2020 and one was added by Congress in FY 2021. Currently, the CTC aircraft are unfunded; however, the Navy plans to consider funding for the additional E-2Ds during the next budget cycle.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						P-1 Line Item Number / Title: 0195 / E-2D AHE				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 000										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / E-2D	P-5a, P-21			102 / 15,448.062	5 / 961.629	5 / 944.475	5 / 1,043.967	- / 0.000	5 / 1,043.967
P-40	Total Gross/Weapon System Cost				102 / 15,448.062	5 / 961.629	5 / 944.475	5 / 1,043.967	- / 0.000	5 / 1,043.967
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:

The FY 2023 request procures five E-2D AHE Full Rate Production Lot 11 aircraft with associated equipment and support.

This budget request includes funding to support a FY 2019 through FY 2023 Multi-Year Procurement (MYP) contract.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1							P-1 Line Item Number / Title: 0195 / E-2D AHE						Item Number / Title [DODIC]: 1 / E-2D					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				102		5		5		5		-		5				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				15,448.062		961.629		944.475		1,043.967		0.000		1,043.967				
Less PY Advance Procurement <i>(\$ in Millions)</i>				2,414.790		175.492		194.856		201.566		-		201.566				
Net Procurement (P-1) <i>(\$ in Millions)</i>				13,033.272		786.137		749.619		842.401		0.000		842.401				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				2,744.600		123.166		118.938		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				15,777.872		909.303		868.557		842.401		0.000		842.401				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		11.106		2.399		6.416		-		6.416				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				151,451.588		192,325.800		188,895.000		208,793.400		-		208,793.400				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†) (1)	70,292.402	102	7,169.825	83,708.400	5	418.542	82,088.600	5	410.443	86,165.400	5	430.827	-	-	-	86,165.400	5	430.827
1.1.2) CFE Electronics ^(†) (2)	41,342.686	102	4,216.954	52,316.200	5	261.581	51,303.800	5	256.519	53,914.800	5	269.574	-	-	-	53,914.800	5	269.574
1.1.3) GFE Electronics	4,848.784	102	494.576	5,698.000	5	28.490	5,517.600	5	27.588	5,627.952	5	28.140	-	-	-	5,627.952	5	28.140
1.1.4) Engine/ Engine Accessories	-	-	251.428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) Other GFE	-	-	120.271	-	-	7.981	-	-	7.892	-	-	8.050	-	-	-	-	-	8.050
1.1.6) Recurring Flyaway ECO	24,758.667	12	297.104	4,491.400	5	22.457	2,400.000	5	12.000	2,400.000	5	12.000	-	-	-	2,400.000	5	12.000
Subtotal: Recurring Cost	-	-	12,550.158	-	-	739.051	-	-	714.442	-	-	748.591	-	-	-	-	-	748.591
Non Recurring Cost																		
1.2.1) Non-Recurring Cost ⁽³⁾	-	-	720.091	-	-	55.671	-	-	56.373	-	-	69.452	-	-	-	-	-	69.452
Subtotal: Non Recurring Cost	-	-	720.091	-	-	55.671	-	-	56.373	-	-	69.452	-	-	-	-	-	69.452
Subtotal: Flyaway Cost	-	-	13,270.249	-	-	794.722	-	-	770.815	-	-	818.043	-	-	-	-	-	818.043
Support Cost																		
2.1) Airframe PGSE	-	-	55.647	-	-	2.956	-	-	2.868	-	-	2.922	-	-	-	-	-	2.922
2.2) Engine PGSE ⁽⁴⁾	-	-	43.060	-	-	5.284	-	-	5.304	-	-	7.809	-	-	-	-	-	7.809
2.3) Avionics PGSE ⁽⁵⁾	-	-	594.937	-	-	28.088	-	-	54.416	-	-	93.719	-	-	-	-	-	93.719

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1						P-1 Line Item Number / Title: 0195 / E-2D AHE							Item Number / Title [DODIC]: 1 / E-2D					
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.4) Peculiar Training Equipment	-	-	459.284	-	-	48.109	-	-	35.094	-	-	35.796	-	-	-	-	-	35.796
2.5) Pub/Tech Eq	-	-	134.951	-	-	7.350	-	-	7.497	-	-	7.647	-	-	-	-	-	7.647
2.6) Production Engineering Support	-	-	538.316	-	-	26.988	-	-	26.936	-	-	27.714	-	-	-	-	-	27.714
2.7) Other ILS ⁽⁶⁾	-	-	351.618	-	-	48.132	-	-	41.545	-	-	50.317	-	-	-	-	-	50.317
Subtotal: Support Cost	-	-	2,177.813	-	-	166.907	-	-	173.660	-	-	225.924	-	-	-	-	-	225.924
Gross/Weapon System Cost	151,451.588	102	15,448.062	192,325.800	5	961.629	188,895.000	5	944.475	208,793.400	5	1,043.967	-	-	0.000	208,793.400	5	1,043.967

^(†) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Airframe CFE cost increase reflected to show MYPH negotiated contractual value required. No cost share savings realized with FMS aircraft in this final aircraft procurement lot.

⁽²⁾ CFE Electronics cost increase reflected to show MYPH negotiated contractual value required. No cost share savings realized with FMS aircraft in this final aircraft procurement lot.

⁽³⁾ Non-recurring Cost: Increases in the non-recurring cost element support engineering, redesigns, and/or life of type buys required to mitigate obsolescence and diminishing manufacturing sources and material shortage issues on the E-2D production line. FY 2023 is the final E-2D lot procurement funding year and the increase is to satisfy obsolescence issues; funds are required thru all aircraft production to ensure a configuration compliant aircraft delivery.

⁽⁴⁾ Engine PGSE: Increase from FY 2022 to FY 2023 reflects FY 2023 plan to procure remaining engine-specific support equipment and associated tooling.

⁽⁵⁾ Avionics PGSE: Increase from FY 2022 to FY 2023 reflects FY 2023 plan to cover engineering and logistics support, as well as the procurement of various equipment required to establish E-2D organic depot capability, in accordance with Title 10 U.S. Code 2464 - Core Logistics capability requirements. FY 2023 planned equipment procurements include Operational Test Sets for the AN/APX-122A Identification Friend or Foe (IFF) system, O-level Support Equipment procurements for VX-30, and Support Equipment for Depot Standup site activation efforts.

⁽⁶⁾ Other ILS: Increase from FY 2022 to FY2023 reflects projected funding requirements for various Integrated Logistics Support efforts to include but not limited to funding for established contract line items on the Multi-year Procurement II contract for Product Support and Modeling/Inventory Analysis, Original Equipment Manufacturer (OEM) reach back support, government labor at projected rates for NAWCAD, Fleet Readiness Center Southwest Fleet Support Team, and Contractor Support Services. Full funding of the FY2023 Other ILS budget request for is critical to support completion of E-2D maintenance plans, technical manuals, and site activation; OEM reach back for Failure Mode, Effects and Criticality Analyses (FMECA), maintenance planning, Interactive Electronic Technical Manual (IETM), and Reliability and Maintainability data is critical to complete E-2D product support standup/initial outfitting and to avoid future sustainment costs and readiness degraders.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:				Item Number / Title [DODIC]:				
1506N / 01 / 1				0195 / E-2D AHE				1 / E-2D				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2016	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2016	Dec 2018	5	87,367.093	Y		Nov 2012
1.1.1) Airframe/CFE ^(†)		2017	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2017	Dec 2019	6	83,497.167	Y		Nov 2012
1.1.1) Airframe/CFE ^(†)		2018	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2018	Mar 2021	5	88,697.200	Y		Nov 2012
1.1.1) Airframe/CFE ^(†)		2019 ⁽⁷⁾	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Apr 2019	Feb 2022	6	85,348.000	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)		2020	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2020	Mar 2023	6	85,211.000	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)		2021	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2021	Jun 2024	5	83,708.400	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)		2022	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2022	May 2025	5	82,088.600	Y		Mar 2017
1.1.1) Airframe/CFE ^(†)		2023	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2023	May 2026	5	86,165.400	Y		Mar 2017
1.1.2) CFE Electronics ^(†)		2016	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2016	Dec 2018	5	59,195.398	Y		Nov 2012
1.1.2) CFE Electronics ^(†)		2017	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2017	Dec 2019	6	58,546.667	Y		Nov 2012
1.1.2) CFE Electronics ^(†)		2018	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2018	Mar 2021	5	59,203.164	Y		Nov 2012
1.1.2) CFE Electronics ^(†)		2019 ⁽⁸⁾	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Apr 2019	Feb 2022	6	53,403.333	Y		Mar 2017
1.1.2) CFE Electronics ^(†)		2020	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2020	Mar 2023	6	53,255.167	Y		Mar 2017
1.1.2) CFE Electronics ^(†)		2021	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2021	Jun 2024	5	52,316.200	Y		Mar 2017
1.1.2) CFE Electronics ^(†)		2022	Northrop Grumman Systems / Florida	SS / FPIF	NAVIAR	Mar 2022	May 2025	5	51,303.800	Y		Mar 2017
1.1.2) CFE Electronics ^(†)		2023	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2023	May 2026	5	53,914.800	Y		Mar 2017
Advance Procurement												
APY-9 Radar		2022	Lockheed Martin / Owego, NY	SS / FPIF	NAVAIR	Mar 2022	Mar 2025	5	9,220.000	Y		Mar 2017
ADS-18 Antenna		2022	L-3 Communications / Arlington, TX	SS / FPIF	NAVAIR	Mar 2022	Nov 2024	5	2,880.000	Y		Mar 2017
Empennage Assembly		2022	Potez Aeronautique / Aire-Sur-L'Adour, France	SS / CPIF	NAVAIR	Mar 2022	Oct 2024	5	1,380.000	Y		Mar 2017
Other General Procurement (brackets, bolts, fittings, clips, etc)		2022	Various / Various	SS / FPIF	NAVAIR	Mar 2022	Feb 2024	5	10,307.600	Y		Mar 2017
^(†) indicates the presence of a P-21 Footnotes: ⁽⁷⁾ Multi-year Procurement (MYP) contract awarded 10 Apr 2019 ⁽⁸⁾ Multi-year Procurement (MYP) contract awarded 10 Apr 2019												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE										Item Number / Title [DODIC]: 1 / E-2D													
Cost Elements (Units in Each)							Fiscal Year 2016										Fiscal Year 2017										BALANCE						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016										Calendar Year 2017																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																	
Prior Years Deliveries: 74																																	
	1	2016	NAVY	5	0	5						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
	1	2017	NAVY	6	0	6																	A -	-	-	-	-	-	-	-	6		
	1	2018	NAVY	5	0	5																									5		
	1	2019	NAVY	6	0	6																									6		
	1	2020	NAVY	6 ⁽⁹⁾	0	6																									6		
	1	2021	NAVY	5 ⁽¹⁰⁾	0	5																									5		
	1	2022	NAVY	5 ⁽¹¹⁾	0	5																									5		
	1	2023	NAVY	5	0	5																									5		
1.1.2) CFE Electronics ⁽²⁾																																	
Prior Years Deliveries: 74																																	
	2	2016	NAVY	5	0	5						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5		
	2	2017	NAVY	6	0	6																	A -	-	-	-	-	-	-	-	6		
	2	2018	NAVY	5	0	5																									5		
	2	2019	NAVY	6	0	6																									6		
	2	2020	NAVY	6 ⁽¹²⁾	0	6																									6		
	2	2021	NAVY	5 ⁽¹³⁾	0	5																									5		
	2	2022	NAVY	5 ⁽¹⁴⁾	0	5																									5		
	2	2023	NAVY	5	0	5																									5		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022																							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE													Item Number / Title [DODIC]: 1 / E-2D																							
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2018												Fiscal Year 2019												BALANCE															
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019																											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																
1.1.1) Airframe/CFE ⁽¹⁾																																														
Prior Years Deliveries: 74																																														
	1	2016	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	1	-	-	1														
	1	2017	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6														
	1	2018	NAVY	5	0	5						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5														
	1	2019	NAVY	6	0	6																								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	1	2020	NAVY	6 ⁽⁹⁾	0	6																											6													
	1	2021	NAVY	5 ⁽¹⁰⁾	0	5																											5													
	1	2022	NAVY	5 ⁽¹¹⁾	0	5																											5													
	1	2023	NAVY	5	0	5																											5													
1.1.2) CFE Electronics ⁽²⁾																																														
Prior Years Deliveries: 74																																														
	2	2016	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	1	-	-	1														
	2	2017	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6														
	2	2018	NAVY	5	0	5						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5														
	2	2019	NAVY	6	0	6																								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
	2	2020	NAVY	6 ⁽¹²⁾	0	6																											6													
	2	2021	NAVY	5 ⁽¹³⁾	0	5																											5													
	2	2022	NAVY	5 ⁽¹⁴⁾	0	5																											5													
	2	2023	NAVY	5	0	5																											5													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE										Item Number / Title [DODIC]: 1 / E-2D																		
Cost Elements (Units in Each)							Fiscal Year 2020													Fiscal Year 2021													BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT				Calendar Year 2020													Calendar Year 2021															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
1.1.1) Airframe/CFE ⁽¹⁾																																						
Prior Years Deliveries: 74																																						
	1	2016	NAVY	5	4	1	1																											0				
	1	2017	NAVY	6	0	6	-	-	1	-	-	1	-	1	-	-	1	-	1															0				
	1	2018	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	2							
	1	2019	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6							
	1	2020	NAVY	6 ⁽⁹⁾	0	6						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6							
	1	2021	NAVY	5 ⁽¹⁰⁾	0	5																								A	-	-	-	-	-	-	-	5
	1	2022	NAVY	5 ⁽¹¹⁾	0	5																												5				
	1	2023	NAVY	5	0	5																												5				
1.1.2) CFE Electronics ⁽²⁾																																						
Prior Years Deliveries: 74																																						
	2	2016	NAVY	5	4	1	1																											0				
	2	2017	NAVY	6	0	6	-	-	1	-	-	1	-	1	-	-	1	-	-	1	-	1															0	
	2	2018	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	-	2							
	2	2019	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6							
	2	2020	NAVY	6 ⁽¹²⁾	0	6						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6							
	2	2021	NAVY	5 ⁽¹³⁾	0	5																								A	-	-	-	-	-	-	5	
	2	2022	NAVY	5 ⁽¹⁴⁾	0	5																												5				
	2	2023	NAVY	5	0	5																												5				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE										Item Number / Title [DODIC]: 1 / E-2D																	
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023														BALANCE						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																				
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
1.1.1) Airframe/CFE ⁽¹⁾																																					
Prior Years Deliveries: 74																																					
	1	2016	NAVY	5	5	0																											0				
	1	2017	NAVY	6	6	0																											0				
	1	2018	NAVY	5	3	2																											1	-	1	0	
	1	2019	NAVY	6	0	6																											-	-	-	-	1
	1	2020	NAVY	6 ⁽⁹⁾	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4					
	1	2021	NAVY	5 ⁽¹⁰⁾	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5					
	1	2022	NAVY	5 ⁽¹¹⁾	0	5						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5					
	1	2023	NAVY	5	0	5																	A	-	-	-	-	-	-	-	-	-	-	-	-	-	5
1.1.2) CFE Electronics ⁽²⁾																																					
Prior Years Deliveries: 74																																					
	2	2016	NAVY	5	5	0																											0				
	2	2017	NAVY	6	6	0																											0				
	2	2018	NAVY	5	3	2																											1	-	1	0	
	2	2019	NAVY	6	0	6																											-	-	-	-	1
	2	2020	NAVY	6 ⁽¹²⁾	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	4					
	2	2021	NAVY	5 ⁽¹³⁾	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5					
	2	2022	NAVY	5 ⁽¹⁴⁾	0	5						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5					
	2	2023	NAVY	5	0	5																	A	-	-	-	-	-	-	-	-	-	-	-	-	-	5
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE													Item Number / Title [DODIC]: 1 / E-2D									
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024												Fiscal Year 2025													BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																
Prior Years Deliveries: 74																																
	1	2016	NAVY	5	5	0																										0
	1	2017	NAVY	6	6	0																										0
	1	2018	NAVY	5	5	0																										0
	1	2019	NAVY	6	6	0																										0
	1	2020	NAVY	6 ⁽⁹⁾	2	4	-	1	-	-	-	1	1																		1	
	1	2021	NAVY	5 ⁽¹⁰⁾	0	5	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	-	-	1								0
	1	2022	NAVY	5 ⁽¹¹⁾	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	2			
	1	2023	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
1.1.2) CFE Electronics ⁽²⁾																																
Prior Years Deliveries: 74																																
	2	2016	NAVY	5	5	0																										0
	2	2017	NAVY	6	6	0																										0
	2	2018	NAVY	5	5	0																										0
	2	2019	NAVY	6	6	0																										0
	2	2020	NAVY	6 ⁽¹²⁾	2	4	-	1	-	-	-	1	1																		1	
	2	2021	NAVY	5 ⁽¹³⁾	0	5	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	-	-	1								0
	2	2022	NAVY	5 ⁽¹⁴⁾	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	2				
	2	2023	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE										Item Number / Title [DODIC]: 1 / E-2D												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026												Fiscal Year 2027												BALANCE	
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026						Calendar Year 2027																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																
Prior Years Deliveries: 74																																
	1	2016	NAVY	5	5	0																										0
	1	2017	NAVY	6	6	0																										0
	1	2018	NAVY	5	5	0																										0
	1	2019	NAVY	6	6	0																										0
	1	2020	NAVY	6 ⁽⁹⁾	5	1																										1
	1	2021	NAVY	5 ⁽¹⁰⁾	5	0																										0
	1	2022	NAVY	5 ⁽¹¹⁾	3	2	-	1	1	-	-	1											-1									
	1	2023	NAVY	5	0	5	-	-	-	-	-	-	1	1	-	-	1	1	-	1											0	
1.1.2) CFE Electronics ⁽²⁾																																
Prior Years Deliveries: 74																																
	2	2016	NAVY	5	5	0																										0
	2	2017	NAVY	6	6	0																										0
	2	2018	NAVY	5	5	0																										0
	2	2019	NAVY	6	6	0																										0
	2	2020	NAVY	6 ⁽¹²⁾	5	1																										1
	2	2021	NAVY	5 ⁽¹³⁾	5	0																										0
	2	2022	NAVY	5 ⁽¹⁴⁾	3	2	-	1	1	-	-	1											-1									
	2	2023	NAVY	5	0	5	-	-	-	-	-	-	1	1	-	-	1	1	-	1	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0195 / E-2D AHE				Item Number / Title [DODIC]: 1 / E-2D			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43
2	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽⁹⁾ Airframe CFE - FY 2020 P-21 schedule was updated from a quantity (qty) of 4 aircraft, to a qty of 6 aircraft, based on Congress adding FY 2020 funding for 2 additional aircraft. Both additional a/c were procured in Mar 2020 (FRP 8), however, due to the production max capacity rate of 8 aircraft in FY 2020 (qty 8 includes 3 FMS Japan a/c), 1 of the 2 additional aircraft will be delivered in FY 2025. Added a/c qty 1 to FY 2021 Delivery Schedule to reflect this VIQ a/c delivery since the P-21 delivery schedule only goes out 24 months. VIQ a/c qty 1 (BUNO 169878) expected delivery is 2025-04.

⁽¹⁰⁾ Airframe CFE - FY 2021 P-21 schedule was updated from a qty of 4 aircraft to a qty of 5 aircraft based on Congressional add of FY 2021 funding for 1 additional aircraft. Additional aircraft was procured in Mar 2021 (FRP 9), however, due to the contractual production schedule of the awarded Multi-Year Procurement (MYP) contract, this 1 additional aircraft will be delivered in FY 2026. Added aircraft qty 1 to FY 2022 Delivery Schedule to reflect this VIQ aircraft delivery since the P-21 delivery schedule only goes out 24 months.

⁽¹¹⁾ FY 2021 Congressional Add VIQ a/c qty 1 (BUNO 169884) expected delivery is 2026-03 (See note 7).

⁽¹²⁾ CFE Electronics - FY 2020 P-21 schedule was updated from a qty of 4 aircraft, to a qty of 6 aircraft, based on Congress adding FY 2020 funding for 2 additional aircraft. Both additional a/c were procured in Mar 2020 (FRP 8), however, due to the production max capacity rate of 8 aircraft in FY 2020 (qty 8 includes 3 FMS Japan a/c), 1 of the 2 additional aircraft will be delivered in FY 2025. Added a/c qty 1 to FY 2021 Delivery Schedule to reflect this VIQ a/c delivery since the P-21 delivery schedule only goes out 24 months. VIQ a/c qty 1 (BUNO 169878) expected delivery is 2025-04.

⁽¹³⁾ CFE Electronics - FY 2021 P-21 schedule was updated from a qty of 4 aircraft to a qty of 5 aircraft based on Congressional add of FY 2021 funding for 1 additional aircraft. Additional aircraft was procured in Mar 2021 (FRP 9), however, due to the contractual production schedule of the awarded Multi-Year Procurement (MYP) contract, this 1 additional aircraft will be delivered in FY 2026. Added aircraft qty 1 to FY 2022 Delivery Schedule to reflect this VIQ aircraft delivery since the P-21 delivery schedule only goes out 24 months.

⁽¹⁴⁾ FY 2021 Congressional Add VIQ a/c qty 1 (BUNO 169884) expected delivery is 2026-03. (see Note 10)

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft							P-1 Line Item Number / Title: 0195 / E-2D AHE					
Program Elements for Code B Items: N/A							Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 000												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,744.600	123.166	118.938	-	-	-	-	-	-	-	-	2,986.704
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,744.600	123.166	118.938	-	-	-	-	-	-	-	-	2,986.704
Total Obligation Authority (<i>\$ in Millions</i>)	2,744.600	123.166	118.938	-	-	-	-	-	-	-	-	2,986.704
<p>Description:</p> <p>The E-2D Advanced Hawkeye (AHE) is an all-weather, twin engine, carrier-based, Airborne Command, Control and Surveillance aircraft designed to extend task force defense perimeters. The AHE mission is to provide advance warning of approaching enemy surface units and aircraft, to vector interceptors or strike aircraft to attack, and to provide area surveillance, intercept, search and rescue, communications relay, and strike/air traffic control. Key AHE objectives include: improved battle space target detection and situational awareness, especially in the littorals; support of Theater Air Missile Defense operations; and improved Operational Availability.</p>												

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0195 / E-2D AHE				
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 000									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / E-2D			102 / 2,744.600	5 / 123.166	5 / 118.938	5 / -	- / -	5 / -
P-40	Total Gross/Weapon System Cost			102 / 2,744.600	5 / 123.166	5 / 118.938	5 / -	- / -	5 / -

*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
Full funding for every end item requesting advance procurement is included in the budget submission.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0195 / E-2D AHE			P-5 Number / Title: 1 / E-2D	
First System (2023) Award Date: February 2012		First System (2023) Completion Date: July 2015		Interval Between Systems: 0 Months		
E-2D		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>
Quantity			102	5	5	5
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>
CFE						
CFE - Airframe	0	761.495	-	-	-	
Prior Years EOQ/Long Lead	0	1,448.135	-	-	-	
For FY 2020 EOQ/Long Lead	0	141.128	-	-	-	
For FY 2021 EOQ/Long Lead	0	175.492	-	-	-	
For FY 2022 EOQ/Long Lead	0	77.159	117.697	-	-	
For FY 2023 EOQ/Long Lead	0	77.159	5.469	-	-	
APY-9 Radar ^(†)	0	-	-	46.100	-	
ADS-18 Antenna ^(†)	0	-	-	14.400	-	
Empennage Assembly ^(†)	0	-	-	6.900	-	
Other General Procurement (brackets, bolts, fittings, clips, etc) ^(†)	0	-	-	51.538	-	
Total: CFE		2,680.568	123.166	118.938	0.000	
GFE						
Other GFE	0	32.177	-	-	-	
JTIDS	0	16.955	-	-	-	
Engines	0	14.900	-	-	-	
Total: GFE		64.032	-	-	0.000	
Total Advance Procurement/Obligation Authority		2,744.600	123.166	118.938	-	

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1		P-1 Line Item Number / Title: 0195 / E-2D AHE			P-5 Number / Title: 1 / E-2D		
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
CFE - Airframe	1						-
Prior Years EOQ/Long Lead	1						-
For FY 2020 EOQ/Long Lead	1						-
For FY 2021 EOQ/Long Lead	1						-
For FY 2022 EOQ/Long Lead	0						-
For FY 2023 EOQ/Long Lead	0						-
APY-9 Radar ^(†)	0						-
ADS-18 Antenna ^(†)	0						-
Empennage Assembly ^(†)	0						-
Other General Procurement (brackets, bolts, fittings, clips, etc) ^(†)	0						-
Total: CFE							0.000
GFE							
Other GFE	1						-
JTIDS	1						-
Engines	1						-
Total: GFE							0.000
Total Advance Procurement/Obligation Authority							-
<p>Description: The Advance Procurement (AP) funding will be used to procure long lead CFE items (14 months or greater production lead time) such as raw materials (inclusive of steel, titanium, aluminum, composites), castings, forgings, bearings, actuators, mission equipment, antenna assemblies, panel assemblies, gearboxes and airframe structural components. E-2D lead times for components have been as high as 42 months. The E-2D program has been actively pursuing lead time reductions and the current longest lead component is 36 months (APY-9 Radar). Some specific material lead items are the ADS-18 antenna assembly (32 months), landing gear including forgings (26 months) and empennage assembly including composite core materials and forged torque tubes for the empennage (31 months). All of these long lead items and special milling for "oversized" sheet stock required for the Fuselage skins at the beginning of aircraft assembly (14 months) are essential to maintaining the current schedule in support of the Fleet Forces transition to the E-2D.</p> <p>The E-2D Advanced Hawkeye program realizes a cost savings of \$2.8 - \$3.0M and a schedule savings of 12 months per aircraft due to the use of Advance Procurement funding to procure long lead items.</p> <p>^(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.</p>							

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft							P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	10	-	10	24	24	-	-	-	58
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	123.217	0.000	123.217	297.058	302.876	0.000	0.000	-	723.151
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	123.217	0.000	123.217	297.058	302.876	0.000	0.000	-	723.151
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	0.000	123.217	0.000	123.217	297.058	302.876	0.000	0.000	-	723.151
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	12.934	-	12.934	13.967	14.941	-	-	-	41.842
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	9,238.500	-	9,238.500	9,834.375	10,166.000	-	-	-	9,868.862
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	12,321.700	-	12,321.700	12,377.417	12,619.833	-	-	-	12,468.121

Description:

Multi-Engine Training System is a United States Navy (USN) program to replace the aging T-44C Pegasus fleet and modernize multi-engine aircraft training. Multi-Engine Training System provides an intermediate and advanced training platform for accession into P-3, P-8, EP-3, KC-130, E-6, E-2, C-2, CV-22 and MV-22 aircraft. This procurement will include a commercial T-XX aircraft, ground based training system, support equipment and miscellaneous essential training/support materials and services to include systems engineering, curriculum updates, and contractor logistics support. Aircraft procurement will be initiated in FY2023.

This line item funds the initial lot of aircraft to replace the T-44C Multi-Engine Training System in FY2023. The current acquisition plan includes budgeting and procuring a single, commercially available Type/ Model/Series air vehicle with a digital cockpit (glass) without development, test, or modification of existing commercial equipment starting in FY 2023. This air vehicle procurement will ensure continuity of a student naval aviator's training transition from primary training to multi-engine training and ultimately to the fleet. The costs and quantities budgeted in this document are based on estimates from the initial responses to multiple Requests For Information (RFIs) from potential vendors. Although the budget exhibit details funding for 58 aircraft based on current information, the requirement for multi-engine training is 64 aircraft with an anticipated aircraft service life of 25 years. The program is currently scheduled to make a source selection in first quarter of FY 2023 with initial deliveries of aircraft expected one year after contract award.

This is a FY 2023 New Start.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft						P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Multi-Engine Training System	P-5a, P-21			- / 0.000	- / 0.000	- / 0.000	10 / 123.217	- / 0.000	10 / 123.217
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	10 / 123.217	- / 0.000	10 / 123.217
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										
<p>Justification:</p> <p>The FY 2023 request includes a Firm Fixed Price procurement of 10 Multi-Engine Training System (METS) aircraft and associated support costs. METS is the replacement to the T-44C Training System. T-44C is the only transitional platform from single engine to multi-engine Transport and Maritime fleet aircraft. The aging 42+ year old platform has become less cost effective to maintain annually as it has surpassed its fatigue life by greater than 50%. In addition, the aircraft is experiencing obsolescence, diminishing manufacturing sources and material shortages, and training capability gaps (as identified in the Capabilities Based Assessment Naval Undergraduate Flight Training).</p> <p>Additionally, operations and support costs for the legacy T-44 Aircraft Conditional Inspection (ACI), required every five years, have increased from \$1.0M per aircraft ten years ago to \$3.2M per aircraft today. A commercially available air vehicle will be the right solution to meet the needs of the Navy quickly, efficiently, and with the most economical intent. This plan provides ample amount of aircraft to transition to a more modern solution that better prepares pilots for fleet integration. This budget ensures a replacement multi-engine aircraft is delivered to the fleet as quickly as possible.</p>										

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1						P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)						Item Number / Title [DODIC]: 1 / Multi-Engine Training System						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		10		-		10				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				0.000		0.000		0.000		123.217		0.000		123.217				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				0.000		0.000		0.000		123.217		0.000		123.217				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				0.000		0.000		0.000		123.217		0.000		123.217				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		12.934		-		12.934				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-		-		-		12,321.700		-		12,321.700				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†)	-	-	-	-	-	-	-	-	-	9,041.640	10	90.416	-	-	-	9,041.640	10	90.416
1.1.2) Rec Flyaway ECO	-	-	-	-	-	-	-	-	-	-	-	1.969	-	-	-	-	-	1.969
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	92.385	-	-	-	-	-	92.385
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	-	-	-	92.385	-	-	-	-	-	92.385
Support Cost																		
2.1) Aircraft PGSE	-	-	-	-	-	-	-	-	-	-	-	0.907	-	-	-	-	-	0.907
2.2) Engine PGSE	-	-	-	-	-	-	-	-	-	-	-	0.090	-	-	-	-	-	0.090
2.3) Avionics PGSE	-	-	-	-	-	-	-	-	-	-	-	0.870	-	-	-	-	-	0.870
2.4) Pub/Tech Eq ⁽¹⁾	-	-	-	-	-	-	-	-	-	-	-	11.243	-	-	-	-	-	11.243
2.5) Pec Trng Eq ⁽²⁾	-	-	-	-	-	-	-	-	-	-	-	5.955	-	-	-	-	-	5.955
2.6) Prod Eng Supt ⁽³⁾	-	-	-	-	-	-	-	-	-	-	-	4.288	-	-	-	-	-	4.288
2.7) Other ILS ⁽⁴⁾	-	-	-	-	-	-	-	-	-	-	-	7.479	-	-	-	-	-	7.479
Subtotal: Support Cost	-	-	-	-	-	-	-	-	-	-	-	30.832	-	-	-	-	-	30.832
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	12,321.700	10	123.217	-	-	0.000	12,321.700	10	123.217
(†) indicates the presence of a P-5a																		
Footnotes:																		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1	P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)	Item Number / Title [DODIC]: 1 / Multi-Engine Training System
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>(1) 2.4) Publications/Tech Equipment- Consists of Operations, Maintenance, Installation and Training (OMIT) data, Naval Air Training and Operating Procedures Standardization (NATOPS) and Navy Tech Pubs and preparation of Navy technical publications .</p> <p>(2) 2.5) Pec Training Equipment- Consists of Ground Based Training Systems (GBTS).</p> <p>(3) 2.6) Consists of Contract System Engineering/Program Management (SEPM) and Program Office SEPM.</p> <p>(4) 2.7) Other ILS Support budget is an estimate of aircraft specific items, including access to data rights, software licenses, Mission Planning System Hardware, OOMA/NALCOMIS baseline configuration, Manpower Analysis and Curriculum updates.</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1				P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)				Item Number / Title [DODIC]: 1 / Multi-Engine Training System				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2023	TBD / TBD	C / FFP	TBD	Nov 2022	Dec 2023	10	9,041.640	Y		Dec 2021

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)										Item Number / Title [DODIC]: 1 / Multi-Engine Training System													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023										Fiscal Year 2024													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP		
1.1.1) Airframe/CFE																																	
	1	2023	NAVY		10	0	10		A	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	1	1						0
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1				P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)					Item Number / Title [DODIC]: 1 / Multi-Engine Training System			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD	10	24	36	10	2	13	15	0	2	11	13

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft							P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity <i>(Units in Each)</i>	32	36	36	26	-	26	-	-	-	-	-	130
Gross/Weapon System Cost <i>(\$ in Millions)</i>	179.528	185.893	163.490	119.816	0.000	119.816	0.000	0.000	0.000	0.000	-	648.727
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) <i>(\$ in Millions)</i>	179.528	185.893	163.490	119.816	0.000	119.816	0.000	0.000	0.000	0.000	-	648.727
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	179.528	185.893	163.490	119.816	0.000	119.816	0.000	0.000	0.000	0.000	-	648.727
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares <i>(\$ in Millions)</i>	-	18.167	12.446	21.522	-	21.522	-	-	-	-	-	52.135
Flyaway Unit Cost <i>(\$ in Thousands)</i>	4,286.406	3,988.972	4,061.083	4,253.500	-	4,253.500	-	-	-	-	-	4,135.062
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	5,610.250	5,163.694	4,541.389	4,608.308	-	4,608.308	-	-	-	-	-	4,990.208
<p>Description:</p> <p>The Advanced Helicopter Training System (AHTS) is a system-of-systems that provides the capability to train advanced rotary wing and intermediate tilt-rotor students for designation as Naval Aviators in the Navy, Marine Corps, and Coast Guard. AHTS consists of: 1) the TH-73A air vehicle, 2) the Ground Based Training System (GBTS), including flight training devices, revised curriculum, computer-aided instruction, classroom instruction, and the facilities to permanently house them, and 3) the maintenance and logistics infrastructure necessary to ensure defined aircraft availability rates. The TH-73A will meet all requirements under Federal Aviation Regulations to operate under both visual flight rules (VFR) and instrument flight rules (IFR) within the United States national airspace system. The TH-73A and GBTS will train helicopter familiarization, basic and radio instruments, and basic warfighting skills. Basic warfighting skills include: energy management, night vision devices, terrain flight, formation flight, confined area and pinnacle landings, external load and vertical replenishment operations, search and rescue (SAR) including hoist and shipboard operations.</p> <p>AHTS addresses capacity and capability gaps for the Chief of Naval Air Training (CNATRA) rotary training pipeline identified in the Naval Aviation Undergraduate Training (C-NAUT) Capabilities Based Assessment (CBA) completed in 2015. The CBA identified a common theme of technological obsolescence and mechanical deficiencies requiring a new acquisition or updates to aircraft and simulators.</p> <p>This line item provides funding for procurement of TH-73A aircraft, which is single, commercially available Type/Model/Series (T/M/S), with a digital cockpit (glass) air vehicle without development, testing, or modification of existing commercial equipment. This plan will assure continuity of a student naval aviator's training transition from primary training to rotary training to the fleet. The costs and quantities budgeted in this document are based on the Firm Fixed Price contract that was awarded in January of FY 2020. Final option is planned for FY 2023. Anticipated aircraft service life of 25-30 years.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft						P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Advanced Helicopter Training System	P-5a, P-21			32 / 179.528	36 / 185.893	36 / 163.490	26 / 119.816	- / 0.000	26 / 119.816
P-40	Total Gross/Weapon System Cost				32 / 179.528	36 / 185.893	36 / 163.490	26 / 119.816	- / 0.000	26 / 119.816
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

The FY 2023 request includes the Firm Fixed Price procurement of 26 Advanced Helicopter Training System (AHTS) aircraft and associated support costs.

The AHTS is the replacement to the TH-57B/C Training System. The aging 35+ year old TH-57B/C Training System faces obsolescence, training deficiencies, increasing maintenance issues, sustainment costs, and safety of flight concerns. Rotary training represents Chief of Naval Air Training (CNATRA) highest demand pipeline and is the only CNATRA platform remaining with analog cockpit technology. The Navy completed a Capability Based Assessment for Naval Aviation Undergraduate Training (C-NAUT) that identified a significant number of capability gaps within rotary training, significant reliability and safety of flight deficiencies, as well as an inability to meet pilot production requirements. Additionally, operations and support costs for the legacy TH-57 Aircraft Conditional Inspection (ACI), required every five years, have increased from \$80K per aircraft ten years ago to \$694K per aircraft today. The TH73A contract will provide ample amount of aircraft to transition to a modern training solution that better prepares pilots for fleet integration. This budget ensures that the training helicopter is delivered to the fleet as quickly as possible to replace the aging TH-57B/C Training System.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1							P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System							Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				32			36			36			26			-			26		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				179.528			185.893			163.490			119.816			0.000			119.816		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				179.528			185.893			163.490			119.816			0.000			119.816		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				179.528			185.893			163.490			119.816			0.000			119.816		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			18.167			12.446			21.522			-			21.522		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				5,610.250			5,163.694			4,541.389			4,608.308			-			4,608.308		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†) (1)	4,286.406	32	137.165	3,988.972	36	143.603	4,061.083	36	146.199	4,253.500	26	110.591	-	-	-	4,253.500	26	110.591			
Subtotal: Recurring Cost	-	-	137.165	-	-	143.603	-	-	146.199	-	-	110.591	-	-	-	-	-	110.591			
Subtotal: Flyaway Cost	-	-	137.165	-	-	143.603	-	-	146.199	-	-	110.591	-	-	-	-	-	110.591			
Support Cost																					
2.1) Airframe PGSE	-	-	1.625	-	-	3.729	-	-	-	-	-	-	-	-	-	-	-	-			
2.2) Engine PGSE	-	-	0.793	-	-	1.819	-	-	-	-	-	-	-	-	-	-	-	-			
2.3) Avionics PGSE	-	-	1.625	-	-	3.729	-	-	-	-	-	-	-	-	-	-	-	-			
2.4) Pec Trng Eq	-	-	9.016	-	-	8.107	-	-	-	-	-	-	-	-	-	-	-	-			
2.5) Pub/Tech Eq	-	-	1.360	-	-	0.274	-	-	0.700	-	-	-	-	-	-	-	-	-			
2.6) Prod Eng Supt	-	-	3.549	-	-	4.449	-	-	4.433	-	-	4.170	-	-	-	-	-	4.170			
2.7) Other ILS ⁽²⁾	-	-	24.395	-	-	20.183	-	-	12.158	-	-	5.055	-	-	-	-	-	5.055			
Subtotal: Support Cost	-	-	42.363	-	-	42.290	-	-	17.291	-	-	9.225	-	-	-	-	-	9.225			
Gross/Weapon System Cost	5,610.250	32	179.528	5,163.694	36	185.893	4,541.389	36	163.490	4,608.308	26	119.816	-	-	0.000	4,608.308	26	119.816			
(†) indicates the presence of a P-5a																					
Footnotes:																					

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1	P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System	Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System
ID Code (A=Service Ready, B=Not Service Ready) :		MDAP/MAIS Code:
<p>(1) 1.1.1 Airframe/CFE, FY23 unit cost increased due reduction in quantity from previous lots and is the last lot of aircraft to be procured. The price is set in the firm fixed price contract (N61340-20-C-0007, CLIN 0301). The TH-73A commercial contract was established via full and open competition and pricing established on the basis of adequate price competition at the total contract value (i.e., base and all options).</p> <p>(2) 2.7 Other ILS Support budget is an estimate of aircraft specific items, including Operation, Maintenance, Installation, and Training (OMIT) data, access to data rights, Health and Usage Monitoring System (HUMS) laptops, Mission Planning System Hardware, Manning Analysis and Curriculum Development.</p>		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1			P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System						Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2020	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Jan 2020	Jul 2021	32	4,286.406	Y		Jan 2019
1.1.1) Airframe/CFE ^(†)		2021	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2020	Aug 2022	36	3,988.972	Y		
1.1.1) Airframe/CFE ^(†)		2022	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2021	Aug 2023	36	4,061.083	Y		
1.1.1) Airframe/CFE ^(†)		2023	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2022	Aug 2024	26	4,253.500	Y		

^(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020										Fiscal Year 2021													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020										Calendar Year 2021															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP	
1.1.1) Airframe/CFE ⁽¹⁾																																
	1	2020	NAVY	32 ⁽³⁾	0	32				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	31
	1	2021	NAVY	36	0	36														A -	-	-	-	-	-	-	-	-	-	-	-	36
	1	2022	NAVY	36	0	36																										36
	1	2023	NAVY	26	0	26																										26
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023														BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽¹⁾																																				
	1	2020	NAVY	32 ⁽³⁾	1	31	1	1	3	4	3	4	4	4	4	3															0					
	1	2021	NAVY	36	0	36	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0					
	1	2022	NAVY	36	0	36			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	30					
	1	2023	NAVY	26	0	26															A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025													BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																	
	1	2020	NAVY	32 ⁽³⁾	32	0																											0
	1	2021	NAVY	36	36	0																											0
	1	2022	NAVY	36	6	30	3	3	3	3	3	3	3	3	3																		0
	1	2023	NAVY	26	0	26	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	2								0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1					P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System				Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AgustaWestland Philadelphia Corp. - Philadelphia, Pennsylvania	12	24	36	0	3	12	15	0	3	20	23

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽³⁾ Initial production delays led to one a/c delivered in Jul 21 followed by a two month gap. Deliveries resumed in Oct 21. Final 3 aircraft deliveries scheduled in July 2022. Follow on Lots will be delivered in a 12 month period.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy	Date: April 2022
-------------------------------------------------------------------	-------------------------

Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft	P-1 Line Item Number / Title: 0416 / KC-130J
----------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A
----------------------------------------------------------	-----------------------------------------------	--------------------------------------------

Line Item MDAP/MAIS Code: 000

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	68	5	6	5	-	5	2	-	-	-	25	111
Gross/Weapon System Cost (<i>\$ in Millions</i>)	5,037.943	461.341	599.311	539.589	0.000	539.589	245.961	19.096	18.924	19.971	3,771.797	10,713.933
Less PY Advance Procurement (<i>\$ in Millions</i>)	377.383	85.783	87.022	100.088	-	100.088	29.122	-	-	-	49.848	729.246
Net Procurement (P-1) (<i>\$ in Millions</i>)	4,660.560	375.558	512.289	439.501	0.000	439.501	216.839	19.096	18.924	19.971	3,721.949	9,984.687
Plus CY Advance Procurement (<i>\$ in Millions</i>)	515.166	67.022	68.088	29.122	-	29.122	-	-	-	-	49.848	729.246
Total Obligation Authority (<i>\$ in Millions</i>)	5,175.726	442.580	580.377	468.623	0.000	468.623	216.839	19.096	18.924	19.971	3,771.797	10,713.933
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	2.612	37.085	30.276	-	30.276	24.377	24.756	5.122	-	-	124.228
Flyaway Unit Cost (<i>\$ in Thousands</i>)	67,503.971	87,425.800	89,666.333	94,076.800	-	94,076.800	114,585.000	-	-	-	140,384.520	88,415.072
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	74,087.397	92,268.200	99,885.167	107,917.800	-	107,917.800	122,980.500	-	-	-	150,871.880	96,521.919

Description:

The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems, and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways. The KC-130J aircraft is powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit includes state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J provides 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.

The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 64 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment. The KC-130J has the capability to refuel low-speed helicopters, tilt-rotor aircraft and high-speed jet aircraft. Aerial refueling of helicopters is normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket. In response to the 2018 National Defense Strategy, the Marine Corps has refocused on potential threats in the Indo-Pacific region as an integral partner of the nation's naval expeditionary force and is implementing the Force Design 2030 plan. Included in that plan is the increase in VMGR capacity and the activation of a new KC-130J squadron at MCAS Kaneohe Bay in 2023.

1. Initial spares Prior Year total = \$278.792M; Initial spares TC = \$219.321M; Total Initial Spares = \$622.341M

Secondary Distribution		FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027
MCR	Quantity	5	6	5	-	5	2	-	-	-
	Total Obligation Authority	442.580	580.377	468.623	-	468.623	216.839	19.096	18.924	19.971
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	442.580	580.377	468.623	-	468.623	216.839	19.096	18.924	19.971

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0416 / KC-130J				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 000										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / KC-130J	P-5a, P-21			68 / 5,037.943	5 / 461.341	6 / 599.311	5 / 539.589	- / 0.000	5 / 539.589
P-40	Total Gross/Weapon System Cost				68 / 5,037.943	5 / 461.341	6 / 599.311	5 / 539.589	- / 0.000	5 / 539.589
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:

The FY 2023 request procures five KC-130J aircraft, associated support equipment for the USMC/USMCR Squadrons, removable 3,600 gallon fuel tanks to account for the inventory increase, initial reliability centered maintenance, and maintenance planning associated with delivery of new aircraft. Budget request support FY19-FY23 Multi-Year Procurement (MYP) with joint participation with the USAF (Lead service).

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1							P-1 Line Item Number / Title: 0416 / KC-130J						Item Number / Title [DODIC]: 1 / KC-130J								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				68			5			6			5			-			5		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				5,037.943			461.341			599.311			539.589			0.000			539.589		
Less PY Advance Procurement <i>(\$ in Millions)</i>				377.383			85.783			87.022			100.088			-			100.088		
Net Procurement (P-1) <i>(\$ in Millions)</i>				4,660.560			375.558			512.289			439.501			0.000			439.501		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				515.166			67.022			68.088			29.122			-			29.122		
Total Obligation Authority <i>(\$ in Millions)</i>				5,175.726			442.580			580.377			468.623			0.000			468.623		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			2.612			37.085			30.276			-			30.276		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				74,087.397			92,268.200			99,885.167			107,917.800			-			107,917.800		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE ^(†) (1)	63,354.559	68	4,308.110	78,975.979	5	394.880	80,463.830	6	482.783	83,867.327	5	419.337	-	-	-	83,867.327	5	419.337			
1.1.2) GFE Electronics	-	-	99.809	-	-	15.216	-	-	18.625	-	-	15.831	-	-	-	-	-	15.831			
1.1.3) Other GFE	-	-	31.067	-	-	3.759	-	-	4.601	-	-	3.911	-	-	-	-	-	3.911			
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†) (2)	3,588.400	5	17.942	3,641.000	5	18.205	3,756.666	6	22.540	3,830.000	5	19.150	-	-	-	3,830.000	5	19.150			
1.1.5) Carbon Brakes Production Cut-In ^(†)	-	-	-	373.333	3	1.120	332.167	6	1.993	338.200	5	1.691	-	-	-	338.200	5	1.691			
Subtotal: Recurring Cost	-	-	4,456.928	-	-	433.180	-	-	530.542	-	-	459.920	-	-	-	-	-	459.920			
Non Recurring Cost																					
1.2.1) Non-Recur Cost ⁽³⁾	-	-	133.342	-	-	3.949	-	-	7.456	-	-	10.464	-	-	-	-	-	10.464			
Subtotal: Non Recurring Cost	-	-	133.342	-	-	3.949	-	-	7.456	-	-	10.464	-	-	-	-	-	10.464			
Subtotal: Flyaway Cost	-	-	4,590.270	-	-	437.129	-	-	537.998	-	-	470.384	-	-	-	-	-	470.384			
Support Cost																					
2.1) Airframe PGSE ⁽⁴⁾	-	-	8.930	-	-	-	-	-	3.643	-	-	4.467	-	-	-	-	-	4.467			
2.2) Engine PGSE ⁽⁵⁾	-	-	7.578	-	-	-	-	-	3.844	-	-	4.714	-	-	-	-	-	4.714			
2.3) Avionics PGSE ⁽⁶⁾	-	-	8.891	-	-	-	-	-	8.228	-	-	10.089	-	-	-	-	-	10.089			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0416 / KC-130J							Item Number / Title [DODIC]: 1 / KC-130J					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.4) Pec Trng Eq ⁽⁷⁾	-	-	163.042	-	-	18.633	-	-	39.907	-	-	44.131	-	-	-	-	-	44.131
2.5) Pub/Tech Eq	-	-	4.883	-	-	0.073	-	-	0.075	-	-	0.076	-	-	-	-	-	0.076
2.6) Prod Eng Supt	-	-	96.642	-	-	2.552	-	-	2.603	-	-	2.655	-	-	-	-	-	2.655
2.7) Other ILS	-	-	139.457	-	-	2.954	-	-	3.013	-	-	3.073	-	-	-	-	-	3.073
2.8) Miscellaneous Support	-	-	18.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	447.673	-	-	24.212	-	-	61.313	-	-	69.205	-	-	-	-	-	69.205
Gross/Weapon System Cost	74,087.397	68	5,037.943	92,268.200	5	461.341	99,885.167	6	599.311	107,917.800	5	539.589	-	-	0.000	107,917.800	5	539.589

(t) indicates the presence of a P-5a

Footnotes:

- (1) 1.1.1: The unit cost growth of \$3.4M, as specified in the P-5a, is part of the contractual price negotiated and awarded in Dec 2019 as part of MYPIII
- (2) 1.1.4: USMC KC-130J aircraft Block 8.1 and DON LAIRCM Production cut-in will be managed by the USAF as part of the MYPIII Procurement contract (FY 2019-FY 2023) and is broken out separately from the Airframe/CFE costs.
- (3) 1.2.1: FY 2023 increase due to loss of suppliers of components and raw materials having significant impact on USMC KC-130J specific production configurations. Increased NRE is required to incorporate component redesigns into the production baseline.
- (4) 2.1: Increase to Airframe PGSE to provide adequate SE required to fully support VMGR-153 squadron stand up efforts and additional PGSE requirements driven by increasing aircraft inventory quantities. Increase to support recovery from previous decisions/reductions that resulted in prioritization of training efforts over PGSE requirements/shortfalls. In accordance with Force Design and the activation of a new squadron at MCAS Kaneohe Bay, additional Peculiar Ground Support Equipment is required.
- (5) 2.2: Increase to Engine PGSE to provide adequate SE required to fully support VMGR-153 squadron stand up efforts and additional PGSE requirements driven by increasing aircraft inventory quantities. Increase to support recovery from previous decisions/reductions that resulted in prioritization of training efforts over PGSE requirements/shortfalls. In accordance with Force Design and the activation of a new squadron at MCAS Kaneohe Bay, additional Peculiar Ground Support Equipment is required.
- (6) 2.3: Increase to Avionics PGSE to provide adequate SE required to fully support VMGR-153 squadron stand up efforts and additional PGSE requirements driven by increasing aircraft inventory quantities. Increase to support recovery from previous decisions/reductions that resulted in prioritization of training efforts over PGSE requirements/shortfalls. In accordance with Force Design and the activation of a new squadron at MCAS Kaneohe Bay, additional Peculiar Ground Support Equipment is required.
- (7) 2.4: FY 2022 enacted reduced procurement of FY 2022 WSTs from two to one and reprioritized funding to support existing PGSE, Cockpit Procedure Trainer (CPT), and Observer Trainer requirements.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:					Item Number / Title [DODIC]:			
1506N / 04 / 1				0416 / KC-130J					1 / KC-130J			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2020	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Mar 2020	Apr 2022	3	76,307.017	Y		
1.1.1) Airframe/CFE ^(†)		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	5	78,975.979	Y		
1.1.1) Airframe/CFE ^(†)		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Apr 2024	6	80,463.830	Y		
1.1.1) Airframe/CFE ^(†)		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	83,867.327	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†)		2019	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2019	Dec 2021	2	3,532.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†)		2020	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Mar 2020	Apr 2022	3	3,626.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†)		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	5	3,641.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†)		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Apr 2024	6	3,756.666	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In ^(†)		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	3,830.000	Y		
1.1.5) Carbon Brakes Production Cut-In		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	3	373.333	Y		
1.1.5) Carbon Brakes Production Cut-In		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Apr 2024	6	332.167	Y		
1.1.5) Carbon Brakes Production Cut-In		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	338.200	Y		
Advance Procurement												
For FY 2023 Long Lead / AN/ APN-241 (V) Transmitter		2022	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Jan 2024	5	743.822	Y		Jan 2018
For FY 2023 Long Lead / Horizontal Stabilizer Assembly		2022	Tata - Lockheed Martin Aerostructures Limited / Hyderabad, India	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	May 2024	5	566.907	Y		Jan 2018
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna		2022	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Jan 2024	5	403.241	Y		Jan 2018
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc)		2022	Various / Various	Various	USAF Wright Patterson Ohio	Mar 2022	Mar 2024	5	8,286.000	Y		
For FY 2024 Long Lead / AN/ APN-241(V) Transmitter		2023	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Jan 2025	2	743.822	Y		Jan 2018
For FY 2024 Long Lead / Horizontal Stabilizer Assembly		2023	Tato - Lockheed Martin / Tata - Lockheed Martin Aerostructures	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	May 2025	2	566.907	Y		Jan 2018

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0416 / KC-130J					Item Number / Title [DODIC]: 1 / KC-130J				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
For FY 2024 Long Lead / Antenna Array		2023	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Jan 2025	2	403.241	Y		Jan 2018
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc)		2023	Various / Various	Various	USAF Wright Patterson Ohio	Mar 2023	Mar 2025	2	8,286.000	Y		
GFE Electronics - FY 2022		2022	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2022	Mar 2024	5	366.331	Y		
GFE Electronics - FY 2023		2023	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2023	Mar 2025	2	373.658	Y		
GFE Electronics - AN/ALR-56M		2022	BAE / Wayne, New Jersey	C / FFP	DLA Warner Robbins AFB	Dec 2021	Dec 2023	5	1,220.767	Y		
GFE Electronics - AN/ALR-56M		2023	BAE / Wayne, New Jersey	C / FFP	DLA Warner Robbins AFB	Dec 2022	Dec 2024	2	1,444.000	Y		
GFE Electronics - LAIRCM		2022	Northrop Grumman / Rolling Meadows, IL	C / CPIF	NAVAIR, Patuxent River, MD	Feb 2022	Mar 2024	5	1,390.161	Y		
GFE Electronics - LAIRCM		2023	Northrop Grumman / Rolling Meadows, IL	C / CPIF	NAVAIR, Patuxent River, MD	Feb 2023	Mar 2025	2	2,090.458	Y		
GFE Other - FY 2022		2022	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2022	Mar 2024	5	408.255	Y		
GFE Other - FY 2023		2023	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2023	Mar 2025	2	416.420	Y		
GFE Other - MIDS LVT		2022	Data Link Solutions / Wayne, NJ	C / FFP	Naval Information Warfare System / San Diego, CA	Aug 2022	Aug 2024	5	232.090	Y		
GFE Other - MIDS LVT		2023	Data Link Solutions / Wayne, NJ	C / FFP	Naval Information Warfare System / San Diego, CA	Aug 2023	Aug 2025	2	236.726	Y		

(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0416 / KC-130J										Item Number / Title [DODIC]: 1 / KC-130J													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020										Fiscal Year 2021													BALANCE			
OCCO	MFR#	FY	SERVICE	PROCQTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020										Calendar Year 2021																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP		
1.1.1) Airframe/CFE ⁽¹⁾																																	
Prior Years Deliveries: 65																																	
	1	2020	NAVY	3	0	3							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
	1	2021	NAVY	5	0	5														A -	-	-	-	-	-	-	-	-	-	-	-	5	
	1	2022	NAVY	6	0	6																										6	
	1	2023	NAVY	5	0	5																										5	
1.1.4) Block 8.1 DON LAIRCM Production Cut In ⁽²⁾																																	
	2	2019	NAVY	2	0	2				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
	2	2020	NAVY	3	0	3							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
	2	2021	NAVY	5	0	5														A -	-	-	-	-	-	-	-	-	-	-	-	5	
	2	2022	NAVY	6	0	6																										6	
	2	2023	NAVY	5	0	5																										5	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0416 / KC-130J													Item Number / Title [DODIC]: 1 / KC-130J												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022												Fiscal Year 2023													BALANCE			
OCCO	MFR#	FY	SERVICE	PROCQTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
1.1.1) Airframe/CFE ⁽¹⁾																																			
Prior Years Deliveries: 65																																			
	1	2020	NAVY	3	0	3	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1								0	
	1	2021	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3		
	1	2022	NAVY	6	0	6			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6			
	1	2023	NAVY	5	0	5															A -	-	-	-	-	-	-	-	-	-	-	-	-	5	
1.1.4) Block 8.1 DON LAIRCM Production Cut In ⁽²⁾																																			
	2	2019	NAVY	2	0	2	-	-	1	1																									0
	2	2020	NAVY	3	0	3	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	1								0		
	2	2021	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	3			
	2	2022	NAVY	6	0	6			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6			
	2	2023	NAVY	5	0	5															A -	-	-	-	-	-	-	-	-	-	-	-	5		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0416 / KC-130J										Item Number / Title [DODIC]: 1 / KC-130J															
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025										BALANCE								
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP				
1.1.1) Airframe/CFE ⁽¹⁾																																			
Prior Years Deliveries: 65																																			
	1	2020	NAVY	3	3	0																													0
	1	2021	NAVY	5	2	3	1	-	1	-	1																								0
	1	2022	NAVY	6	0	6	-	-	-	-	-	-	1	-	1	-	2	-	1	-	1											0			
	1	2023	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	2				
1.1.4) Block 8.1 DON LAIRCM Production Cut In ⁽²⁾																																			
	2	2019	NAVY	2	2	0																													0
	2	2020	NAVY	3	3	0																													0
	2	2021	NAVY	5	2	3	1	-	1	-	1																								0
	2	2022	NAVY	6	0	6	-	-	-	-	-	-	1	-	2	-	1	-	-	-	-	2											0		
	2	2023	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	1	2		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					

UNCLASSIFIED

LI 0416 - KC-130J
Navy

UNCLASSIFIED
Page 10 of 11

P-1 Line #16

Volume 1 - 172

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0416 / KC-130J				Item Number / Title [DODIC]: 1 / KC-130J			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LMAS - Marietta, GA	12	24	36	0	6	36	42	0	2	28	30
2	LMAS - Marietta, GA	12	24	36	0	6	36	42	0	2	28	30

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0416 / KC-130J					
Program Elements for Code B Items: N/A							Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 000												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	515.166	67.022	68.088	29.122	-	29.122	-	-	-	-	49.848	729.246
Net Procurement (P-1) (<i>\$ in Millions</i>)	515.166	67.022	68.088	29.122	-	29.122	-	-	-	-	49.848	729.246
Total Obligation Authority (<i>\$ in Millions</i>)	515.166	67.022	68.088	29.122	-	29.122	-	-	-	-	49.848	729.246

Description:

The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways. The KC-130J is powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit includes state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J provides 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.

The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 64 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment.

The KC-130J has the capability to refuel low-speed helicopters, tilt-rotor aircraft, and high-speed jet aircraft. Aerial refueling of helicopters is normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket.

The balance of the funds for end items is included in the budget submission.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					P-1 Line Item Number / Title: 0416 / KC-130J				
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 000									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / KC-130J			68 / 515.166	5 / 67.022	6 / 68.088	5 / 29.122	- / -	5 / 29.122
P-40	Total Gross/Weapon System Cost			68 / 515.166	5 / 67.022	6 / 68.088	5 / 29.122	- / -	5 / 29.122

*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:

The FY 2023 Advance Procurement request covers requirements for Airframe Contractor Furnished Equipment (CFE) and Long Lead Government Furnished Equipment (GFE) to support procurement of 2 KC-130J Aircraft for USMC Squadrons under Program Element 0502504M in FY 2024.

Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft. Due to MYPIII pricing structure, aircraft pricing is contingent on delivery year. Aircraft procured with AP deliver one year earlier than aircraft without AP, providing estimated cost savings of \$2 -\$2.5M per aircraft, depending on the FY of delivery assumed.

Budget request supports FY 2019-FY 2023 Multi-Year Procurement Three (MYPIII) with joint participation with the USAF (Lead service).

Full funding for every end item requesting advance procurement is included in the budget submission.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0416 / KC-130J			P-5 Number / Title: 1 / KC-130J	
First System (2023) Award Date: December 2022		First System (2023) Completion Date: April 2025		Interval Between Systems: 0 Months		
KC-130J		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			68	5	6	5
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
Prior Year EOQ/Long Lead	0	333.689	-	-	-	
For FY 2021 EOQ/Long Lead	0	70.000	-	-	-	
For FY 2022 EOQ/Long Lead	0	20.000	50.000	-	-	
For FY 2023 EOQ/Long Lead	0	32.000	-	-	-	
For FY 2023 Long Lead / AN/APN-241 (V) Transmitter ^(†)	0	-	-	3.719	-	
For FY 2023 Long Lead / Horizontal Stabilizer Assembly ^(†)	0	-	-	2.835	-	
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna ^(†)	0	-	-	2.016	-	
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc) ^(†)	0	-	-	41.430	-	
For FY 2024 Long Lead / AN/APN-241(V) Transmitter ^(†)	0	-	-	-	1.488	
For FY 2024 Long Lead / Horizontal Stablizer Assembly ^(†)	0	-	-	-	1.134	
For FY 2024 Long Lead / Antenna Array ^(†)	0	-	-	-	0.806	
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc) ^{(16) (†)}	0	-	-	-	16.572	
Total: CFE		455.689	50.000	50.000	20.000	
GFE						
GFE Electronics	0	52.926	13.883	-	-	
GFE Electronics - FY 2022 ^(†)	0	-	-	1.832	-	
GFE Electronics - FY 2023 ^{(17) (†)}	0	-	-	-	0.747	
GFE Electronics - AN/ALR-56M ^(†)	0	-	-	6.104	2.888	
GFE Electronics - LAIRCM ^(†)	0	-	-	6.951	4.181	
GFE Other	0	6.551	3.139	-	-	
GFE Other - FY 2022 ^(†)	0	-	-	2.041	-	

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0416 / KC-130J			P-5 Number / Title: 1 / KC-130J
First System (2023) Award Date: December 2022	First System (2023) Completion Date: April 2025			Interval Between Systems: 0 Months	
Cost Elements	When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>
GFE Other - FY 2023 ⁽¹⁸⁾ (†)	0	-	-	-	0.833
GFE Other - MIDS LVT ^(†)	0	-	-	1.160	0.473
<i>Total: GFE</i>		59.477	17.022	18.088	9.122
Total Advance Procurement/Obligation Authority		515.166	67.022	68.088	29.122

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0416 / KC-130J			P-5 Number / Title: 1 / KC-130J		
Cost Elements	QPA <i>(Each)</i>	FY 2023					
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
CFE							
Prior Year EOQ/Long Lead	0						-
For FY 2021 EOQ/Long Lead	0						-
For FY 2022 EOQ/Long Lead	0						-
For FY 2023 EOQ/Long Lead	0						-
For FY 2023 Long Lead / AN/APN-241 (V) Transmitter ^(†)	0						-
For FY 2023 Long Lead / Horizontal Stabilizer Assembly ^(†)	0						-
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna ^(†)	0						-
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc) ^(†)	0						-
For FY 2024 Long Lead / AN/APN-241(V) Transmitter ^(†)	0	25	743.822	Dec 2022	2		1.488
For FY 2024 Long Lead / Horizontal Stablizer Assembly ^(†)	0	29	566.907	Dec 2022	2		1.134
For FY 2024 Long Lead / Antenna Array ^(†)	0	25	403.241	Dec 2022	2		0.806
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc) ⁽¹⁶⁾ ^(†)	0	24	8,286.000	Mar 2023	2		16.572
Total: CFE							20.000
GFE							
GFE Electronics	0						-
GFE Electronics - FY 2022 ^(†)	0						-
GFE Electronics - FY 2023 ⁽¹⁷⁾ ^(†)	0	24	373.658	Mar 2023	2		0.747
GFE Electronics - AN/ALR-56M ^(†)	0	24	1,444.000	Dec 2022	2		2.888
GFE Electronics - LAIRCM ^(†)	0	25	2,090.458	Feb 2023	2		4.181
GFE Other	0						-
GFE Other - FY 2022 ^(†)	0						-
GFE Other - FY 2023 ⁽¹⁸⁾ ^(†)	0	24	416.420	Mar 2023	2		0.833
GFE Other - MIDS LVT ^(†)	0	24	236.726	Aug 2023	2		0.473
Total: GFE							9.122

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy						Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0416 / KC-130J				P-5 Number / Title: 1 / KC-130J	
		FY 2023					
Cost Elements	QPA <small>(Each)</small>	Production Leadtime <small>(Months)</small>	Unit Cost <small>(\$ K)</small>	Contract Forecast Date	2023 Qty <small>(Each)</small>	For FY	Total Cost Request <small>(\$ M)</small>
Total Advance Procurement/Obligation Authority							29.122
<p>Description: Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft. Due to MYPIII pricing structure, aircraft pricing is contingent on delivery year. Aircraft procured with AP deliver one year earlier than aircraft without AP, providing estimated cost savings of \$2 - \$2.5M per aircraft, depending on the FY of delivery assumed.</p> <p>The Advance Procurement (AP) funding will be used to procure long lead GFE and CFE items. Material long lead items are CFE (Airframe) (12 months - 24 months), and GFE: SATCOM, AN/ARC-210 (12 months), AN/ALE-47 Countermeasure Dispenser System (12 months), LAIRCM (25 months), AN/AAR-47 Missile Approach Warning System (MAWS) (15 months), AN/ALR-56M Radar Warning Receivers (24 months), Armor Kit A/B (12 months), IFF Transponder (12 months), AN/ARC-190 HF Communication Radio (24 months), KIV-77 Mode 5 (12 months), MIDS-LVT (24 months). All of these long lead items are essential to maintaining the KC-130J delivery schedule.</p> <p>(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.</p> <p>Footnotes: ⁽¹⁶⁾ FY 2024 LL / Other Proc includes the following: Long Lead with 24-25 months: 160 items / 4,573,707 per aircraft (includes: Engine assembly, forward panels, refrigeration unit); Long Lead / 26-28 months / 68 items / \$2,287,914 per aircraft (includes: Throttle assemblies, outer wing flap assembly, bleed air controllers), and Long Lead / 29-37 months / 16 items / \$1,424,379 per aircraft (includes: nose/main strut assemblies, horizontal stabilizer, strut assembly, bleed air controller)FY 2024 Grand Total: \$8,286,000 per aircraft, or \$16,572,000 total. ⁽¹⁷⁾ FY 2023 GFE Electronics / 12-24 months / 3 items / \$373,658 per aircraft (includes: AN/AAR Missile Warning Set, AN/ALE-47 Countermeasure Dispenser System, and AN/ARC-210 SATCOM). ⁽¹⁸⁾ FY 2023 GFE Other / 12-24 months / 5 items / \$416,420 per aircraft (includes: Armor Kit, Group A, Armor Kit, Group B, IFF Transponder, KIV-77 Mode-5 crypto Applique, and AN/ARC-190 HF communication Receiver/Transmitter).</p>							

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0435 / E-6B						
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	1	-	-	-	-	-	-	-	-	-	1
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	16.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.000
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	16.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.000
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	16.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	16.000
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	15,000.000	-	-	-	-	-	-	-	-	-	15,000.000
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	16,000.000	-	-	-	-	-	-	-	-	-	16,000.000

Description:

This line funds the procurement of an In Flight Trainer aircraft for the E-6 program. The E-6 is a manned airborne communications platform designed to provide a survivable, endurable, and reliable airborne Command and Control Communications capability in support of the President, Secretary of Defense, and United States strategic and non-strategic forces. The In Flight Trainer will be dedicated to required pilot training on the aging E-6B aircraft.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0435 / E-6B				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / E-6 In Flight Trainer				- / 0.000	1 / 16.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				- / 0.000	1 / 16.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:
There is no baseline funding request in FY 2023.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0435 / E-6B						Item Number / Title [DODIC]: 1 / E-6 In Flight Trainer						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				-		1		-		-		-		-		-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				0.000		16.000		0.000		0.000		0.000		0.000		0.000		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-		-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				0.000		16.000		0.000		0.000		0.000		0.000		0.000		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-		-		
Total Obligation Authority <i>(\$ in Millions)</i>				0.000		16.000		0.000		0.000		0.000		0.000		0.000		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-		-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-		16,000.000		-		-		-		-		-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway Cost	-	-	-	-	-	15.000	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																		
2.1) Other Support ⁽¹⁾	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	-	-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	-	-	0.000	16,000.000	1	16.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Footnotes:																		
⁽¹⁾ Other support is for project management support to facilitate the delivery of the aircraft.																		

Footnotes:

⁽¹⁾ Other support is for project management support to facilitate the delivery of the aircraft.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0442 / MQ-4 TRITON						
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0305220N, 0305421N				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 373												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	14	1	2	3	-	3	4	-	-	-	41	65
Gross/Weapon System Cost (<i>\$ in Millions</i>)	2,637.921	293.072	483.151	587.820	0.000	587.820	700.533	189.210	158.231	140.303	6,296.337	11,486.578
Less PY Advance Procurement (<i>\$ in Millions</i>)	279.967	36.106	-	-	-	-	75.235	-	-	-	921.968	1,313.276
Net Procurement (P-1) (<i>\$ in Millions</i>)	2,357.954	256.966	483.151	587.820	0.000	587.820	625.298	189.210	158.231	140.303	5,374.369	10,173.302
Plus CY Advance Procurement (<i>\$ in Millions</i>)	316.073	-	-	75.235	-	75.235	-	-	-	-	921.968	1,313.276
Total Obligation Authority (<i>\$ in Millions</i>)	2,674.027	256.966	483.151	663.055	0.000	663.055	625.298	189.210	158.231	140.303	6,296.337	11,486.578
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	3.402	28.387	6.406	-	6.406	4.095	-	-	-	-	42.290
Flyaway Unit Cost (<i>\$ in Thousands</i>)	137,730.286	147,800.000	161,500.000	157,898.000	-	157,898.000	144,037.750	-	-	-	131,995.512	137,227.938
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	188,422.929	293,072.000	241,575.500	195,940.000	-	195,940.000	175,133.250	-	-	-	153,569.195	176,716.585
<p>Description:</p> <p>The FY 2023 request reflects a Department decision to resume Triton aircraft production in FY 2023 and FY 2024. The program continues to collaborate with the Joint Staff regarding follow-on validation of program requirements. Production of the remaining aircraft continues through FY 2027. This budget supports funding levels in the Support costs to include trainer/training equipment, peculiar ground support equipment, government and contractor production team, organic and OEM depot capability establishment and Interim Contractor Support (ICS) of the Baseline Early Operational Capability and fielding of IFC-4 assets necessary to support FY 2023 declaration of Initial Operational Capability (IOC). The program will fund completion of the Identification Friend or Foe (IFF) depot maintenance capabilities and will utilize the Original Equipment Manufacturer (OEM) during the establishment period for depot capability. The MQ-4C Triton UAS is integral to recapitalizing the Navy's Maritime Patrol and Reconnaissance Force.</p> <p>The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. The MQ-4C air vehicle, mission control system, specialized sensors, and communications suite play a significant role in achieving the Navy's strategic vision for the 21st century. The Triton system provides persistent ISR and unparalleled situational awareness of the maritime battle space to the supported combatant commander and fleet commander. The system also serves as a Fleet response plan enabler with a persistent, global force offering to provide critical trip wire information for intelligence preparation of the environment. Triton provides the Warfighter with unprecedented levels of battlespace awareness to synchronize actions necessary to maintain maritime Full Spectrum Superiority. Teamed with its manned-capability counterpart, the P-8A, Triton is a key component of the Navy's maritime domain awareness family of systems. MQ-4C Triton leverages Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.</p> <p>Following successful EOC deployment, the MQ-4C Triton UAS will develop incremental capabilities within the ongoing acquisition program to meet program requirements in support of the 2011 National Defense Authorization Act (NDAA), and to meet EP-3 sundown and the Maritime Intelligence, Surveillance, Reconnaissance and Targeting (MISR&T) transition plan.</p> <p>The full MQ-4C Triton sensor suite will provide near worldwide coverage through a network of orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2,000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and SIGINT systems. Additionally, the MQ-4C communications relay capability will link dispersed forces in the theater of operations and allow Triton to serve as a node in the Navy's networked strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.</p> <p>DT&E: 4Q FY 2012 - 4Q FY 2022 OT&E: 1Q FY 2023 - 3Q FY 2023 IOC: 4Q FY 2023</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0442 / MQ-4 TRITON				
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0305220N, 0305421N			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 373										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / RQ-4 UAV	P-5a, P-21			14 / 2,637.921	1 / 293.072	2 / 483.151	3 / 587.820	- / 0.000	3 / 587.820
P-40	Total Gross/Weapon System Cost				14 / 2,637.921	1 / 293.072	2 / 483.151	3 / 587.820	- / 0.000	3 / 587.820
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:
 The FY 2023 request provides funding for three (3) Low Rate Initial Production (LRIP) MQ-4C Triton Unmanned Air Systems (UAS) and one (1) Main Operating Base (MOB) Mission Control System (MCS) in the Increment 1 configuration in FY 2023. The FY 2023 request additionally provides funding levels for key elements of the Support costs to include trainer/training equipment, peculiar ground support equipment, organic or Original Equipment Manufacturer (OEM) depot repair capability, Government and contractor production team, and Interim Contractor Support of the Baseline Early Operational Capability (EOC) and initial fielding of the IFC-4 capability in support of IOC in FY 2023. Australia will decide in calendar year 2022 if they intend to procure further quantities in FY 2023 and FY 2024.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0442 / MQ-4 TRITON							Item Number / Title [DODIC]: 1 / RQ-4 UAV					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				14		1		2		3		-		3				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				2,637.921		293.072		483.151		587.820		0.000		587.820				
Less PY Advance Procurement <i>(\$ in Millions)</i>				279.967		36.106		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				2,357.954		256.966		483.151		587.820		0.000		587.820				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				316.073		-		-		75.235		-		75.235				
Total Obligation Authority <i>(\$ in Millions)</i>				2,674.027		256.966		483.151		663.055		0.000		663.055				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		3.402		28.387		6.406		-		6.406				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				188,422.929		293,072.000		241,575.500		195,940.000		-		195,940.000				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†) (1)	74,333.071	14	1,040.663	79,356.000	1	79.356	103,305.000	2	206.610	86,991.000	3	260.973	-	-	-	86,991.000	3	260.973
1.1.2) CFE Electronics	-	-	410.779	-	-	33.523	-	-	71.004	-	-	87.455	-	-	-	-	-	87.455
1.1.3) GFE Electronics	-	-	0.429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Engines/Eng Acc	-	-	47.586	-	-	4.404	-	-	11.674	-	-	13.823	-	-	-	-	-	13.823
1.1.5) Other GFE	-	-	100.301	-	-	11.215	-	-	21.924	-	-	34.567	-	-	-	-	-	34.567
1.1.6) Rec Flyaway ECO	-	-	19.122	-	-	2.465	-	-	5.886	-	-	8.381	-	-	-	-	-	8.381
Subtotal: Recurring Cost	-	-	1,618.880	-	-	130.963	-	-	317.098	-	-	405.199	-	-	-	-	-	405.199
Non Recurring Cost																		
1.2.1) Non-Recur Cost (2)	-	-	208.144	-	-	16.837	-	-	5.902	-	-	47.608	-	-	-	-	-	47.608
1.2.2) Other ⁽³⁾	-	-	101.200	-	-	-	-	-	-	-	-	20.887	-	-	-	-	-	20.887
Subtotal: Non Recurring Cost	-	-	309.344	-	-	16.837	-	-	5.902	-	-	68.495	-	-	-	-	-	68.495
Subtotal: Flyaway Cost	-	-	1,928.224	-	-	147.800	-	-	323.000	-	-	473.694	-	-	-	-	-	473.694
Support Cost																		
2.1) Airframe PGSE ⁽⁴⁾	-	-	218.570	-	-	17.355	-	-	39.099	-	-	44.313	-	-	-	-	-	44.313
2.2) Pec Training Equip (5)	-	-	73.016	-	-	29.000	-	-	38.606	-	-	12.794	-	-	-	-	-	12.794

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0442 / MQ-4 TRITON						Item Number / Title [DODIC]: 1 / RQ-4 UAV						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Pub/Tech Equip ⁽⁶⁾	-	-	44.003	-	-	4.717	-	-	4.806	-	-	4.791	-	-	-	-	-	4.791
2.4) Prod Eng Supt	-	-	136.502	-	-	30.452	-	-	31.031	-	-	38.286	-	-	-	-	-	38.286
2.5) Other ILS ⁽⁷⁾	-	-	237.606	-	-	45.695	-	-	46.609	-	-	13.942	-	-	-	-	-	13.942
2.6) FY 2021 Enacted Recissions ⁽⁸⁾	-	-	-	-	-	18.053	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	709.697	-	-	145.272	-	-	160.151	-	-	114.126	-	-	-	-	-	114.126
Gross/Weapon System Cost	188,422.929	14	2,637.921	293,072.000	1	293.072	241,575.500	2	483.151	195,940.000	3	587.820	-	-	0.000	195,940.000	3	587.820

(t) indicates the presence of a P-5a

Footnotes:

(1) The program continues to collaborate with the Joint Staff regarding follow-on validation of program requirements.

(2) FY 2023 includes costs incurred for Diminishing Manufacturing Sources and Material Shortages (DMSMS) and Supplier Requalification driven by lack of production schedule continuity as well as schedule gaps between production of FY 2021 and FY 2022 Congressional Add aircraft and the start of the production of FY 2023 procured aircraft. Additionally, some MQ-4C hardware components provided as Government Furnished Material (GFM), including but not limited to the Keyed BAMS Airborne Recorder (K-BAR), are no longer in production and require NRE effort for a form-fit-function replacement in FY 2023 to enable future MQ-4C Triton procurements.

(3) Other funds Ground Control Station hardware. Starting in FY 2019, ground stations were procured in the Increment 1 configuration. FY 2023 provides funding for one (1) Main Operating Base (MOB) Mission Control System (MCS).

(4) FY 2021 - FY 2027 budgeted sums in Airframe PGSE line reflect the minimum investment required to continue the standup of organic depot and intermediate repair and maintenance capability. Organic depot and intermediate level repair and maintenance standup creates the capability for the Navy to support Triton operations at a lower lifecycle cost at required readiness levels. OEM depot repair capability has been assessed to verify that aircraft procurements at a lower production rate and current repair capacity are sufficient to meet demand. Repair capability for major components to include maritime radar, EO/IR sensor, and communications equipment must be in place to meet minimum Orbit readiness levels.

(5) Training equipment is required to field the Increment 1 capability and includes the necessary fidelity for Fleet user familiarization and throughput capacity to align with Orbit standup. Year-to-year costs fluctuate due to the different trainer systems being procured in each year.

(6) The yearly funding requirement for the Pub/Tech Equipment cost element continues across the FYDP based on the schedule required to procure and standup Intermediate, Organizational, and Depot level maintenance systems required in support of Initial Operational Capability (IOC), Triton's Material Support Date (MSD) and to establish core depot maintenance capabilities within six (6) years of IOC, supporting Section 2464 of Title 10, United States Code.

(7) Other ILS includes support from the prime contractor. Interim Contractor Support (ICS) decreases in FY23 as ICS costs are transferred to the Operations and Maintenance, Navy appropriation.

(8) FY 2021 Enacted Rescissions: The FY 2021 enacted includes congressional rescissions of \$7.983 to FY 2019 advance procurement and \$10.070 to FY 2020 advance procurement for FY 2021, however, these rescissions are not reflected on the P-40. The impact of these rescissions are reflected in the other cost elements.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0442 / MQ-4 TRITON					Item Number / Title [DODIC]: 1 / RQ-4 UAV			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2016	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Aug 2016	Dec 2018	4	74,675.500	Y		Sep 2014
1.1.1) Airframe/CFE ^(†)		2017	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	May 2017	Nov 2019	2	91,951.000	Y		Sep 2015
1.1.1) Airframe/CFE ^(†)		2018	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2017	Feb 2023	3	65,781.667	Y		Sep 2016
1.1.1) Airframe/CFE ^(†)		2019	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2019	Oct 2023	3	67,729.330	Y		Sep 2017
1.1.1) Airframe/CFE ^(†)		2020	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2019	Jun 2024	2	78,763.000	Y		Sep 2018
1.1.1) Airframe/CFE ^(†)		2021	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Mar 2021	May 2025	1	79,356.000	Y		Sep 2019
1.1.1) Airframe/CFE ^(†)		2022	Northrop Grumman / Rancho Bernardo, CA	SS / FP	NAVAIR	Apr 2022	Aug 2026	2	103,305.000	Y		Sep 2020
1.1.1) Airframe/CFE ^(†)		2023	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Jan 2023	Mar 2027	3	86,991.000	Y		Jun 2022
Advance Procurement												
CFE - Airframe T.L. (Lot 7)		2023	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	May 2023	Mar 2028	4	17,033.750	Y		May 2022
GFE Other - MIDS JTRS		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	Mar 2023	May 2024	4	230.000	Y		Oct 2022
GFE Other - High Band/Low Band Radio Cards		2023	Various / Various	C / IDIQ	NAWCAD, Patuxent River, MD	Dec 2022	Apr 2023	20	140.000	Y		Oct 2022
GFE Other - Amplifier Mount		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Feb 2024	4	45.000	Y		Oct 2022
GFE Other - Keyed Bams Airborne Recorder (K-BAR)		2023	Various / Various	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Aug 2025	4	550.000	Y		Oct 2022
GFE Other - ARC 210 Radio		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Feb 2024	20	50.000	Y		Oct 2022
^(†) indicates the presence of a P-21												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON													Item Number / Title [DODIC]: 1 / RQ-4 UAV																			
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2016												Fiscal Year 2017												BALANCE											
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	Calendar Year 2016												Calendar Year 2017																							
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												
1.1.1) Airframe/CFE ⁽¹⁾																																										
	1	2016	NAVY	4 ⁽⁹⁾	0	4													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4							
	1	2017	NAVY	2 ⁽¹⁰⁾	0	2																									A -	-	-	-	-	-	-	-	-	-	-	2
	1	2018	NAVY	3	0	3																											3									
	1	2019	NAVY	3	0	3																											3									
	1	2020	NAVY	2	0	2																											2									
	1	2021	NAVY	1	0	1																											1									
	1	2022	NAVY	2	0	2																											2									
	1	2023	NAVY	3	0	3																											3									
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2018										Fiscal Year 2019										BALANCE									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018										Calendar Year 2019																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP					
1.1.1) Airframe/CFE ⁽¹⁾																																				
	1	2016	NAVY	4 ⁽⁹⁾	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	1	0						
	1	2017	NAVY	2 ⁽¹⁰⁾	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						
	1	2018	NAVY	3	0	3			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3						
	1	2019	NAVY	3	0	3																														3
	1	2020	NAVY	2	0	2																														2
	1	2021	NAVY	1	0	1																														1
	1	2022	NAVY	2	0	2																														2
	1	2023	NAVY	3	0	3																														3
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																							Date: April 2022											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON													Item Number / Title [DODIC]: 1 / RQ-4 UAV											
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020												Fiscal Year 2021												BALANCE			
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
1.1.1) Airframe/CFE ⁽¹⁾																																		
	1	2016	NAVY	4 ⁽⁹⁾	4	0																												0
	1	2017	NAVY	2 ⁽¹⁰⁾	0	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1			
	1	2018	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			
	1	2019	NAVY	3	0	3			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			
	1	2020	NAVY	2	0	2			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2			
	1	2021	NAVY	1	0	1																A -	-	-	-	-	-	-	-	1				
	1	2022	NAVY	2	0	2																												2
	1	2023	NAVY	3	0	3																												3
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022												Fiscal Year 2023												BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽¹⁾																																				
	1	2016	NAVY	4 ⁽⁹⁾	4	0																											0			
	1	2017	NAVY	2 ⁽¹⁰⁾	1	1	1																											0		
	1	2018	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1					0					
	1	2019	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
	1	2020	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
	1	2021	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
	1	2022	NAVY	2	0	2						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
	1	2023	NAVY	3	0	3																A -	-	-	-	-	-	-	-	-	-	-	-	-	-	3
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																																													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																																													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2024										Fiscal Year 2025										BALANCE																																						
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																																																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP																																		
1.1.1) Airframe/CFE ⁽¹⁾																																																																	
	1	2016	NAVY	4 ⁽⁹⁾	4	0																														0																													
	1	2017	NAVY	2 ⁽¹⁰⁾	2	0																														0																													
	1	2018	NAVY	3	3	0																														0																													
	1	2019	NAVY	3	0	3																														1	-	1	-	1																									0
	1	2020	NAVY	2	0	2																														-	-	-	-	-	-	-	1	-	1																			0	
	1	2021	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1									0																														
	1	2022	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2																																	
	1	2023	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3																																	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP																																			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2026										Fiscal Year 2027										BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	Calendar Year 2026										Calendar Year 2027															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP	
1.1.1) Airframe/CFE ⁽¹⁾																																
	1	2016	NAVY	4 ⁽⁹⁾	4	0																										0
	1	2017	NAVY	2 ⁽¹⁰⁾	2	0																										0
	1	2018	NAVY	3	3	0																										0
	1	2019	NAVY	3	3	0																										0
	1	2020	NAVY	2	2	0																										0
	1	2021	NAVY	1	1	0																										0
	1	2022	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	1	-	-	0		
	1	2023	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	1		
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

LI 0442 - MQ-4 TRITON
Navy

UNCLASSIFIED
Page 12 of 13

P-1 Line #19

Volume 1 - 196

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy							Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0442 / MQ-4 TRITON			Item Number / Title [DODIC]: 1 / RQ-4 UAV

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Northrop Grumman - Rancho Bernardo, CA	3	6	12	12	10	21	31	12	7	34	41

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

⁽⁹⁾ FY 2016 funding provides for 3 aircraft in LRIP-1 and 1 aircraft in LRIP-2.

⁽¹⁰⁾ The Department provided funding for an in-line production change to deliver FY 2017 funded aircraft B12 in a Multi-INT vice Baseline configuration. Because of this in-line production change, the expected delivery date for aircraft B12 changed from October 2022 to August 2023. The P21 reflects the delivery of B12 as October 2021 because PDOCS will not allow a delivery period greater than 24 months. The forced retrofit was previously scheduled to commence FY 2024 with an expected delivery of April 2025. Conducting the Multi-INT retrofit as an in-line production change represents a 20-month improvement over the expected delivery date.

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0442 / MQ-4 TRITON				
Program Elements for Code B Items: 0305220N, 0305421N							Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 373											

Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	316.073	-	-	75.235	-	75.235	-	-	-	-	921.968	1,313.276
Net Procurement (P-1) (<i>\$ in Millions</i>)	316.073	-	-	75.235	-	75.235	-	-	-	-	921.968	1,313.276
Total Obligation Authority (<i>\$ in Millions</i>)	316.073	-	-	75.235	-	75.235	-	-	-	-	921.968	1,313.276

Description:

The FY 2023 request reflects a Department decision to resume Triton aircraft production in FY 2023 and FY 2024. The program continues to collaborate with the Joint Staff regarding follow-on validation of program requirements. Production of the remaining aircraft continues through FY 2027. This budget supports funding levels in the Support costs to include trainer/training equipment, peculiar ground support equipment, government and contractor production team, organic and OEM depot capability establishment and Interim Contractor Support (ICS) of the Baseline Early Operational Capability and fielding of IFC-4 assets necessary to support FY 2023 declaration of Initial Operational Capability (IOC). The program will fund completion of the Identification Friend or Foe (IFF) depot maintenance capabilities and will utilize the Original Equipment Manufacturer (OEM) during the establishment period for depot capability. The MQ-4C Triton UAS is integral to recapitalizing the Navy's Maritime Patrol and Reconnaissance Force.

The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. The MQ-4C air vehicle, mission control system, specialized sensors, and communications suite play a significant role in achieving the Navy's strategic vision for the 21st century. The Triton system provides persistent ISR and unparalleled situational awareness of the maritime battle space to the supported combatant commander and fleet commander. The system also serves as a Fleet response plan enabler with a persistent, global force offering to provide critical trip wire information for intelligence preparation of the environment. Triton provides the Warfighter with unprecedented levels of battlespace awareness to synchronize actions necessary to maintain maritime Full Spectrum Superiority. Teamed with its manned-capability counterpart, the P-8A, Triton is a key component of the Navy's maritime domain awareness family of systems. MQ-4C Triton leverages Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.

Following successful EOC deployment, the MQ-4C Triton UAS will develop incremental capabilities within the ongoing acquisition program to meet program requirements in support of the 2011 National Defense Authorization Act (NDAA), and to meet EP-3 sundown and the Maritime Intelligence, Surveillance, Reconnaissance and Targeting (MISR&T) transition plan.

The full MQ-4C Triton sensor suite will provide near worldwide coverage through a network of orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2,000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and SIGINT systems. Additionally, the MQ-4C communications relay capability will link dispersed forces in the theater of operations and allow Triton to serve as a node in the Navy's networked strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					P-1 Line Item Number / Title: 0442 / MQ-4 TRITON				
Program Elements for Code B Items: 0305220N, 0305421N					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: 373									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / RQ-4 UAV			14 / 316.073	1 / -	2 / -	3 / 75.235	- / -	3 / 75.235
P-40	Total Gross/Weapon System Cost			14 / 316.073	1 / -	2 / -	3 / 75.235	- / -	3 / 75.235
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									

Justification:

The MQ-4C Triton program assesses that \$1.914M of cost and 12 months of schedule per aircraft are saved by using advance procurement funding to buy the requested long lead items.

Full funding for every end item requesting advance procurement is included in the budget submission.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0442 / MQ-4 TRITON			P-5 Number / Title: 1 / RQ-4 UAV	
First System (2023) Award Date: January 2016		First System (2023) Completion Date: January 2018		Interval Between Systems: 12 Months		
RQ-4 UAV		Production Leadtime (Months)	Prior Years (Each)	FY 2021 (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity			14	1	2	3
Cost Elements		When Required (Months)	Prior Years (\$ M)	FY 2021 (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
CFE						
CFE - Airframe T.L. (Prior Years)		0	219.135	-	-	-
CFE - Airframe T.L. (LRIP-5)		0	37.797	-	-	-
CFE - Airframe T.L. (FY 2021 Congressional Add aircraft)		0	18.099	-	-	-
CFE - Airframe T.L. (Lot 7) ^(†)		0	-	-	-	68.135
Total: CFE			275.031	-	-	68.135
GFE						
GFE Other (Prior Years)		0	18.684	-	-	-
GFE Other (LRIP-5)		0	4.305	-	-	-
GFE Other - MIDS JTRS ⁽¹⁹⁾ (†)		0	-	-	-	0.920
GFE Other - High Band/Low Band Radio Cards ⁽²⁰⁾ (†)		0	-	-	-	2.800
GFE Other - Amplifier Mount ⁽²¹⁾ (†)		0	-	-	-	0.180
GFE Other - Keyed Bams Airborne Recorder (K-BAR) ⁽²²⁾ (†)		0	-	-	-	2.200
GFE Other - ARC 210 Radio ⁽²³⁾ (†)		0	-	-	-	1.000
Total: GFE			22.989	-	-	7.100
Other						
FY 2021 Enacted Recissions		0	18.053	-	-	-
Total: Other			18.053	-	-	0.000
Total Advance Procurement/Obligation Authority			316.073	-	-	75.235

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0442 / MQ-4 TRITON			P-5 Number / Title: 1 / RQ-4 UAV		
Cost Elements	QPA (Each)	FY 2023					
		Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2023 Qty (Each)	For FY	Total Cost Request (\$ M)
CFE							
CFE - Airframe T.L. (Prior Years)	0						-
CFE - Airframe T.L. (LRIP-5)	0						-
CFE - Airframe T.L. (FY 2021 Congressional Add aircraft)	0						-
CFE - Airframe T.L. (Lot 7) ^(†)	0	53	17,033.750	May 2023	4		68.135
Total: CFE							68.135
GFE							
GFE Other (Prior Years)	0						-
GFE Other (LRIP-5)	0						-
GFE Other - MIDS JTRS ⁽¹⁹⁾ (†)	0	14	230.000	Mar 2023	4		0.920
GFE Other - High Band/Low Band Radio Cards ⁽²⁰⁾ (†)	0	4	140.000	Dec 2022	20		2.800
GFE Other - Amplifier Mount ⁽²¹⁾ (†)	0	9	45.000	May 2023	4		0.180
GFE Other - Keyed Bams Airborne Recorder (K-BAR) ⁽²²⁾ (†)	0	27	550.000	May 2023	4		2.200
GFE Other - ARC 210 Radio ⁽²³⁾ (†)	0	9	50.000	May 2023	20		1.000
Total: GFE							7.100
Other							
FY 2021 Enacted Recissions	0						-
Total: Other							0.000
Total Advance Procurement/Obligation Authority							75.235
<p>Description: The MQ-4C Triton Advance Procurement (AP) funding will be used to procure long lead CFE and GFE material for subsystems such as, but not limited to, the Multi-Function Active Sensor (MFAS) radar, landing gear, wings, and wide band command and control system. Airframe/CFE requirements are calculated on a Termination Liability (TL) basis, reflecting the contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. GFE material includes Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS), High Band/Low Band Radio Cards, Amplifier Mounts, Keyed Bams Airborne Recorder (K-BAR), and ARC 210 radios.</p> <p>(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.</p> <p>Footnotes: ⁽¹⁹⁾ GFE Other - Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS) includes one (1) unit per MQ-4C Triton aircraft. ⁽²⁰⁾ GFE Other - High Band/Low Band Radio Cards includes one (1) set of two (2) High Band Cards and three (3) Low Band Cards per MQ-4C Triton aircraft.</p>							

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1	P-1 Line Item Number / Title: 0442 / MQ-4 TRITON	P-5 Number / Title: 1 / RQ-4 UAV
<div>(21) GFE Other - Amplifier Mount includes one (1) unit per MQ-4C Triton aircraft.</div> <div>(22) GFE Other - Keyed Bams Airborne Recorder (K-BAR) includes one (1) KBAR unit per MQ-4C Triton aircraft.</div> <div>(23) GFE Other - ARC 210 Radio includes five (5) radios per MQ-4C Triton aircraft.</div>		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0443 / MQ-8 UAV					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 253												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	59	-	-	-	-	-	-	-	-	-	-	59
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,343.242	34.759	49.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,427.250
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,343.242	34.759	49.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,427.250
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,343.242	34.759	49.249	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,427.250
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	2.056	-	-	-	-	-	-	-	-	-	2.056
Flyaway Unit Cost (<i>\$ in Thousands</i>)	16,570.492	-	-	-	-	-	-	-	-	-	-	17,244.780
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	22,766.814	-	-	-	-	-	-	-	-	-	-	24,190.678
<p>Description:</p> <p>The MQ-8 Unmanned Air System ("Fire Scout") provides real-time Intelligence, Surveillance and Reconnaissance (ISR) data to tactical users without the use of manned aircraft or reliance on limited joint theater or national assets. The baseline MQ-8 can accomplish missions including over-the-horizon tactical reconnaissance, classification, targeting and laser designation and battle damage assessment (including voice communications relay). The MQ-8 launches and recovers vertically, and can operate from suitably-equipped air capable ships, as well as confined area land bases. Interoperability is achieved through the use of the Tactical Control System (TCS) software in the mission control system (MCS), also referred to as a Ground Control Station (GCS), and through the use of the Tactical Common Data Link (TCDL). The data from the MQ-8 is provided through standard DoD Command, Control, Communications, Computers and ISR (C4ISR) system architectures and protocols.</p> <p>The MQ-8 programs active inventory currently includes both MQ-8B (qty 19) and MQ-8C (qty 36) Air Vehicles (AVs) as well as the MCS and other ancillary equipment. The MQ-8 program achieved Milestone C in June 2017. MQ-8C Radar IOC June 2021. Final MQ-8 air vehicle delivery occurred in April 2021.</p> <p>A deployed MQ-8 system includes AV(s), payloads (i.e. electro-optical/infrared/laser designator-range finder, Automated Identification System, voice communications relay, Radar, Weapons, and other specialty payloads), MCS (with TCS and TC DL integrated for interoperability), Unmanned Aerial Vehicle Common Automatic Recovery Systems (UCARS) for automatic launch and recovery, and associated spares and support equipment. The quantities and schedules for MCS and UCARS components are based on host ship requirements, while quantities and schedules for air vehicle components, support equipment, and training equipment are based on operational deployment plans. A limited number of land-based MCS supplement the shipboard systems to support shore-based operations, such as pre-deployment or acceptance functional check flights. These land-based MCS will also support depot-level maintenance/post-maintenance activities. The MQ-8C provides additional mission endurance and payload-weight-power, increased reliability, and improved maintainability to the MQ-8 system.</p> <p>MQ-8 systems will support missions on Littoral Combat Ship (LCS) and/or suitably-equipped air capable ships and land based MQ-8 requirements. Quantities of air vehicles are derived from LCS and/or suitably-equipped air capable ship deployment requirements for Surveillance and Reconnaissance, and Surface Warfare and Mine Countermeasures mission sets. Future ships supported include FFG.</p> <p>This budget prioritizes system wholeness for MCS, trainers/training equipment, peculiar support equipment, publications and technical. System wholeness is required to field and support procured air vehicles and MCS in support of operations onboard LCS, other suitably equipped air capable ships, and land-based MQ-8 requirements.</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0443 / MQ-8 UAV				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: 253										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / MQ-8 UAV				59 / 1,343.242	- / 34.759	- / 49.249	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				59 / 1,343.242	- / 34.759	- / 49.249	- / 0.000	- / 0.000	- / 0.000
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:

There is no funding request in FY 2023. Funding decreased identified within this budget submission reflect changes to the MQ-8 Fire Scout program. The program is undergoing a partial divestiture and will maintain a limited segment of MQ-8C air vehicles to support LCS Mine Counter Measure (MCM) and Anti Surface Warfare (ASuW) missions.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0443 / MQ-8 UAV							Item Number / Title [DODIC]: 1 / MQ-8 UAV								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				59			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				1,343.242			34.759			49.249			0.000			0.000			0.000		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				1,343.242			34.759			49.249			0.000			0.000			0.000		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				1,343.242			34.759			49.249			0.000			0.000			0.000		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			2.056			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				22,766.814			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE	10,990.373	59	648.432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.2) GFE Electronics	-	-	128.256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost	-	-	776.688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Non Recurring Cost																					
1.2.1) Non-Recur Cost	-	-	25.504	-	-	-	-	-	5.286	-	-	-	-	-	-	-	-	-			
1.2.2) Ancillary Equipment	-	-	175.467	-	-	12.350	-	-	22.147	-	-	-	-	-	-	-	-	-			
Subtotal: Non Recurring Cost	-	-	200.971	-	-	12.350	-	-	27.433	-	-	-	-	-	-	-	-	-			
Subtotal: Flyaway Cost	-	-	977.659	-	-	12.350	-	-	27.433	-	-	-	-	-	-	-	-	-			
Support Cost																					
2.1) Airframe PGSE	-	-	19.017	-	-	7.530	-	-	4.849	-	-	-	-	-	-	-	-	-			
2.2) Avionics PGSE	-	-	3.404	-	-	-	-	-	4.409	-	-	-	-	-	-	-	-	-			
2.3) Peculiar Training Equipment	-	-	87.344	-	-	0.672	-	-	4.118	-	-	-	-	-	-	-	-	-			
2.4) Pubs/Tech Equipment	-	-	19.289	-	-	-	-	-	1.398	-	-	-	-	-	-	-	-	-			
2.5) Production Engineering Support	-	-	163.605	-	-	12.163	-	-	5.718	-	-	-	-	-	-	-	-	-			
2.6) Other ILS Support	-	-	72.924	-	-	2.044	-	-	1.324	-	-	-	-	-	-	-	-	-			
Subtotal: Support Cost	-	-	365.583	-	-	22.409	-	-	21.816	-	-	-	-	-	-	-	-	-			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0443 / MQ-8 UAV						Item Number / Title [DODIC]: 1 / MQ-8 UAV						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Gross/Weapon System Cost	22,766.814	59	1,343.242	-	-	34.759	-	-	49.249	-	-	0.000	-	-	0.000	-	-	0.000

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0444 / STUASLO					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: 0305234N, 0305239M				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	15	-	-	-	-	-	-	-	-	-	-	15
Gross/Weapon System Cost (<i>\$ in Millions</i>)	296.305	30.121	13.151	2.703	0.000	2.703	2.778	2.832	0.000	0.000	-	347.890
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	296.305	30.121	13.151	2.703	0.000	2.703	2.778	2.832	0.000	0.000	-	347.890
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	296.305	30.121	13.151	2.703	0.000	2.703	2.778	2.832	0.000	0.000	-	347.890
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	18,662.733	-	-	-	-	-	-	-	-	-	-	21,697.867
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In FY 2019, the RQ-21A Blackjack Unmanned Aircraft System (UAS) program was consolidated and transitioned from being funded in Budget Line Items (BLI) 4737 (RQ-21 UAS) and 4787 (UAS Payloads) Procurement, Marine Corps (PMC) to BLI 0444 (STUASLO) Aircraft Procurement, Navy (APN). Current inventory of USN RQ-21 systems has been satisfied and FY 2017 is the last year of USN RQ-21A BLACKJACK system procurements. The USMC, however, continued to fund RQ-21A BLACKJACK system procurements in FY 2018 with Procurement, Marine Corps (PMC), Budget Line Item (BLI) 4737 and 4787. There are no plans to buy more United States Marine Corps (USMC) Unit RQ-21 systems at this time, however RQ-21 System Component - Air Vehicles (AV) will be procured.

The requirement for the RQ-21A BLACKJACK (formerly known as The Small Tactical Unmanned Aircraft System (STUAS)) Unmanned Aircraft System is defined in Capability Development Document, dated 18 November 2008 and further defined in the Capability Production Document, dated 15 February 2013. The RQ-21A BLACKJACK program entered the Engineering and Manufacturing Development (EMD) phase of the acquisition process as an Acquisition Category III program on 26 July 2010. On 19 August 2014, RQ-21A BLACKJACK was designated an Acquisition Category II program. Marine Corps Force Design 2030 directs divestment of Group 3 RQ-21A from Marine Unmanned Aerial Vehicle Squadrons (VMU) in FY21. The United States Navy (USN) is still committed to use RQ-21A BLACKJACK to support the Naval Special Warfare (NSW) mission.

The RQ-21A BLACKJACK is a USN and USMC program that provides persistent maritime and land-based tactical Intelligence, Surveillance, and Reconnaissance/Target Acquisition support. It is capable of providing actionable intelligence and communications relay for 12-hours of continuous operation per day with a short surge capability of 24-hours continuous operation. The system has an operational radius of 50 nautical miles, further extendable through hub and spoke operations. The Air Vehicle (AV) is capable of airspeeds up to 80 nautical miles per hour with a service ceiling of 15,000 feet. This system brings commanders a dedicated and cost effective airborne ISR sensor system capable of providing actionable intelligence in real time. As an organic, tactical UAS, it supports unit-level force defense, force protection for Naval amphibious assault ships (multi-ship classes) as well Navy and Marine Corp land forces. Furthermore, the RQ-21A will support Naval Missions such as development of a Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and provide support for Naval Units operating from sea/shore in Overseas Contingency Operations.

The RQ-21A BLACKJACK system will continue to evolve and upgrade capabilities to satisfy capabilities shortfalls, new requirements, and reliability, maintainability and safety issues. Upgraded capabilities may include Navy Command and Control integration, Extended Range, Weapons integration, Heavy Fuel Engine, Laser Designator, Frequency Agile Communications Relay, Digital Common Data Link, Vertical Takeoff and Landing (VTOL), launcher and recovery equipment, mobile ground control stations and cyclic refresh of the Electro-Optical/Infrared (EO/IR) camera. RQ-21A BLACKJACK will also continue to expand its shipboard capability across new ship classes. An RQ-21A system consists of five air vehicles, two ground control stations, modular multi-mission plug and play payloads, one launcher, one recovery system, and support equipment. Standard payloads include a turret mounted EO/IR camera and a communications relay package with automated identification ship capability, carried in the payload bay. RQ-21 System Component - Air Vehicles (AV) was previously referred to as attrition air vehicles.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0444 / STUASLO				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: 0305234N, 0305239M			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / USN RQ-21A Blackjack	P-5a			15 / 277.588	- / 22.200	- / 13.151	- / 2.703	- / 0.000	- / 2.703
P-5	2 / USMC RQ-21 BlackJack	P-5a			- / 18.717	- / 7.921	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				15 / 296.305	- / 30.121	- / 13.151	- / 2.703	- / 0.000	- / 2.703
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:

The FY 2023 request of \$2.703M procures two (2) USN RQ-21A System Component - AV which include the air vehicle and EO/IR turret, EO/IR turret with Laser Designator (LD), EO multi-intelligence turret, Modular payload bay, engineering support required for the production of the system component air vehicles, Synthetic Aperture Radars (SAR), Ground Target Moving Indicator (GMTI) payloads, and Launcher Extended Rails.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy														Date: April 2022							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1							P-1 Line Item Number / Title: 0444 / STUASLO							Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack							
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				15			-			-			-			-			-		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				277.588			22.200			13.151			2.703			0.000			2.703		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Net Procurement (P-1) <i>(\$ in Millions)</i>				277.588			22.200			13.151			2.703			0.000			2.703		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>				277.588			22.200			13.151			2.703			0.000			2.703		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			-			-			-			-		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				18,505.867			-			-			-			-			-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) RQ-21A Systems ⁽¹⁾	10,838.500	10	108.385	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.2) USN RQ-21 System Component - Air Vehicles ⁽¹⁾ ⁽²⁾	1,526.313	32	48.842	792.056	18	14.257	2,273.000	3	6.819	837.000	2	1.674	-	-	0.000	837.000	2	1.674			
1.1.3) Mobile Ground Control Station	-	-	2.387	-	-	0.000	-	-	2.060	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.4) Ancillary Equipment ⁽³⁾	-	-	40.679	-	-	5.288	-	-	1.300	-	-	0.892	-	-	0.000	-	-	0.892			
1.1.5) Prior Year Scan Eagle Systems ⁽⁴⁾	5,640.000	5	28.200	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Recurring Cost	-	-	228.493	-	-	19.545	-	-	10.179	-	-	2.566	-	-	0.000	-	-	2.566			
Non Recurring Cost																					
1.2.1) ICS	-	-	26.682	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.2.2) Hardware for Ship Installation	-	-	5.400	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.2.3) USN Production Line Shut Down	-	-	0.649	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Non Recurring Cost	-	-	32.731	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
Subtotal: Flyaway Cost	-	-	261.224	-	-	19.545	-	-	10.179	-	-	2.566	-	-	0.000	-	-	2.566			
Support Cost																					

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy										Date: April 2022							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0444 / STUASLO					Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack							

ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:							
---------------------------------------------------------	--	--	--	--	--	--	--	--	--	------------------------	--	--	--	--	--	--	--

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.1) Product Engineering Support ⁽⁵⁾	-	-	14.568	-	-	2.533	-	-	2.823	-	-	0.088	-	-	0.000	-	-	0.088
2.2) Other ILS	-	-	1.796	-	-	0.122	-	-	0.149	-	-	0.049	-	-	0.000	-	-	0.049
<i>Subtotal: Support Cost</i>	-	-	16.364	-	-	2.655	-	-	2.972	-	-	0.137	-	-	0.000	-	-	0.137
Gross/Weapon System Cost	18,505.867	15	277.588	-	-	22.200	-	-	13.151	-	-	2.703	-	-	0.000	-	-	2.703

(t) indicates the presence of a P-5a

Footnotes:

- (1) An RQ-21A system consists of five air vehicles, two ground control stations, multi-mission (plug and play) payloads, one launcher and recovery system, and peculiar support equipment. Air Vehicles (AV) are procured with an Electro Optical / Infrared Turret. Additional payloads are carried within the payload bay and include a communications relay package and automated identification system. Launch and recovery systems are procured with associated peculiar support equipment. Peculiar support equipment includes the AV fueling system, AV starter, battery charging station, transportation assemblies, cooling systems, shore power assemblies, AV scale system, and associated cabling. RQ-21A system unit costs reflect the fully burdened cost of a system.
- (2) This cost element was titled "USN Attrition Air Vehicles" in prior budget submissions and is changed to a more appropriate title of "USN RQ-21 System Component - Air Vehicle". Procurements are required to replace the air vehicle and components of the RQ-21A system lost during operations. Air vehicle components include turrets (camera) and payloads; a payload is anything the RQ-21A will carry beyond a camera. The requirement for air vehicles is based on actual attrition rates observed from actual flight hours of the RQ-21A system and projected reliability improvements from fixes to root causes of previous air vehicle losses, including differential GPS system, command and control data link logic, and engine reliability. FY23 unit cost decrease is due to procuring a NSW specific configuration.
- (3) Ancillary equipment includes all program procured equipment to support a RQ-21A system.
- (4) Prior Year Inactive Funding: Prior year funding was associated with Naval Special Warfare (NSW) Scan Eagle procurement. No prior year funding was associated with RQ-21A procurement. The Scan Eagle system provides near real-time reconnaissance, surveillance and target detection/identification for Naval Special Warfare (NSW), USN and other coalition forces; providing tactical commanders with Reconnaissance, Surveillance, Target Acquisition (RSTA), Battle Damage Assessment (BDA), and battlefield capabilities. Scan Eagle is not a program of record. A Scan Eagle system consists of twelve (12) air vehicles, Ground Control Station(s) GCSs and associated launch and recovery equipment.
- (5) Product Engineering Support includes Information Assurance certifications required for the RQ-21A system to obtain Authority to Operate (ATO).

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0444 / STUASLO						Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack			
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) USN RQ-21 System Component - Air Vehicles		2021	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Feb 2021	Apr 2021	18	792.056	Y		
1.1.2) USN RQ-21 System Component - Air Vehicles		2022	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Jun 2022	Aug 2022	3	2,273.000	Y		
1.1.2) USN RQ-21 System Component - Air Vehicles		2023	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Jun 2023	Aug 2023	2	837.000	Y		

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0444 / STUASLO						Item Number / Title [DODIC]: 2 / USMC RQ-21 BlackJack						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				18.717		7.921		0.000		0.000		0.000		0.000				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				18.717		7.921		0.000		0.000		0.000		0.000				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				18.717		7.921		0.000		0.000		0.000		0.000				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) USMC RQ-21 System Component - Air Vehicles ^(†)	1,560.143	7	10.921	1,584.200	5	7.921	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) Ancillary Equipment	-	-	4.140	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Ship Integration	-	-	0.825	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) ICS	-	-	0.640	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Product Engineering Support	-	-	2.191	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	18.717	-	-	7.921	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Flyaway Cost	-	-	18.717	-	-	7.921	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	-	-	18.717	-	-	7.921	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
^(†) indicates the presence of a P-5a																		

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0444 / STUASLO				Item Number / Title [DODIC]: 2 / USMC RQ-21 BlackJack				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) USMC RQ-21 System Component - Air Vehicles	✓	2020	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Feb 2020	Apr 2020	5	1,584.200	Y		
1.1.1) USMC RQ-21 System Component - Air Vehicles	✓	2021	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Feb 2021	Apr 2021	5	1,584.200	Y		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0449 / MQ-25					
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A				Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	-	4	-	4	4	4	4	4	49	69
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	0.000	744.181	0.000	744.181	699.182	709.954	723.263	738.376	6,341.985	9,956.941
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	47.468	-	47.468	51.463	50.577	51.534	52.520	575.987	829.549
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	0.000	696.713	0.000	696.713	647.719	659.377	671.729	685.856	5,765.998	9,127.392
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	47.468	51.463	-	51.463	50.577	51.534	52.520	53.626	522.361	829.549
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	47.468	748.176	0.000	748.176	698.296	710.911	724.249	739.482	6,288.359	9,956.941
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	57.749	133.541	-	133.541	112.432	103.469	128.854	116.880	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	151,298.250	-	151,298.250	135,764.500	129,547.750	123,777.500	125,606.500	115,170.306	120,395.986
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	186,045.250	-	186,045.250	174,795.500	177,488.500	180,815.750	184,594.000	129,428.265	144,303.493
<p>Description:</p> <p>The requirement for the MQ-25 Carrier Based Unmanned Air System (CBUAS), more recently referred to as the MQ-25 Unmanned Carrier Aviation (UCA) System, is defined in a Capability Development Document (CDD) dated 21 July 2017. The MQ-25 program entered the Engineering and Manufacturing Development (EMD) phase of the acquisition process as an Acquisition Category IB program on 14 August 2018.</p> <p>The MQ-25 program provides an unmanned capability to embark on CVNs as part of the Carrier Air Wing (CVW) to conduct aerial refueling as a primary mission and provide Intelligence, Surveillance, Reconnaissance (ISR) capability as a secondary mission. MQ-25 extends CVW mission effectiveness range, partially mitigates the current Carrier Strike Group (CSG) organic ISR shortfall and fills the future CVW-tanker gap, mitigating Strike Fighter shortfall and preserving F/A-18E/F Fatigue Life for its primary missions. As the first carrier-based, group 5 Unmanned Aircraft System (UAS), MQ-25 pioneers the integration of manned and unmanned operations, demonstrate mature complex sea-based Command, Control, Communications, Computers, and Intelligence (C4I) UAS technologies, and paves the way for future multifaceted multi-mission UAS to pace emerging threats.</p> <p>MQ-25 is designed to conduct aerial refueling and ISR missions. MQ-25 will have the ability to refuel all carrier based fixed wing aircraft capable of aerial refueling and to pass sensor data to other aircraft, naval vessels, and ground forces. Sensor data is transmitted at appropriate classification levels, to exploitation nodes afloat and ashore (e.g. Distributed Common Ground System - Navy). The MQ-25 system is sustainable onboard an aircraft carrier, as well as ashore, and is designed to minimize the logistics footprint.</p> <p>MQ-25 achieves these capabilities through the use of a carrier-suitable, semi-autonomous, unmanned Air Segment and the UCA Mission Control System (UMCS) that provides CVN infrastructure modifications and hardware to support MQ-25 operations aboard all NIMITZ class carriers (except CVN 68), all delivered and planned FORD class carriers, and operational shore sites. The Government is the Lead Systems Integrator (LSI), providing government-led system of systems integration for the MQ-25 Program. The program coordinates across all segments and with external stakeholders to ensure program activities are synchronized. MQ-25 interfaces with existing ship and land-based command and control systems, including ISR Tasking, Collection, Processing, Exploitation, and Dissemination systems.</p> <p>The MQ-25 Program of Record is comprised of 76 air vehicles. Of the 76, four are Engineering Development Models (EDMs) and three are System Demonstration Test Articles (SDTAs), all of which were incrementally funded using RDT&E funds. The remaining 69 aircraft are funded with Aircraft Procurement, Navy (APN).</p>												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0449 / MQ-25				
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: N/A			Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / MQ-25	P-5a, P-21			- / 0.000	- / 0.000	- / 0.000	4 / 744.181	- / 0.000	4 / 744.181
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	- / 0.000	4 / 744.181	- / 0.000	4 / 744.181
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:
 The FY 2023 request supports the procurement of four Low Rate Initial Production (LRIP) Lot 1 MQ-25 aircraft, and the advance procurement of long-lead materials in support of four LRIP Lot 2 MQ-25 aircraft. LRIP 1 contract award is planned for August 2023, and LRIP 2 Advanced Procurement contract award is planned for December 2022.

Engines and CFE/GFE cost elements are to procure specific equipment needed for that year's aircraft buy.

The Engineering Change Order (ECO) cost element is funding required to address design changes and incorporate these into the production line.

Non-recurring Engineering (NRE) efforts are required for supplier production line improvements.

Tooling supports production rate/supplier tooling for the airframe in support of the current production ramp through Full Rate Production.

Airframe PGSE supports the phased approach of procuring/fielding Common and Peculiar Support Equipment.

The Peculiar Training Equipment cost element reflects an updated plan due to new ground control system functionality. The training system requirements are directly aligned to the scheduled site stand-up of two CONUS-based and one OCONUS-based primary deployment sites.

Production Support requirements are for Government and Contractor Support Services (CSS) annualized support of the overarching production program.

Tech Data includes the production aircraft configuration to support Intermediate (I) and Depot (D) level repair capabilities to meet IOC.

FY 2022 and FY 2023 Initial Spares are required to support MQ-25 first deployment in FY 2025. The MQ-25 first deployment consists of two EDM and three SDTA aircraft and is not tied to APN-4 aircraft.

Full funding for every end item requesting advance procurement is included in the budget submission.

The Department of the Navy certifies that the balance of the funds for end items is included in the budget submission.

This is a FY 2023 new start.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1							P-1 Line Item Number / Title: 0449 / MQ-25						Item Number / Title [DODIC]: 1 / MQ-25								
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:											
Resource Summary				Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
Procurement Quantity <i>(Units in Each)</i>				-			-			-			4			-			4		
Gross/Weapon System Cost <i>(\$ in Millions)</i>				0.000			0.000			0.000			744.181			0.000			744.181		
Less PY Advance Procurement <i>(\$ in Millions)</i>				-			-			-			47.468			-			47.468		
Net Procurement (P-1) <i>(\$ in Millions)</i>				0.000			0.000			0.000			696.713			0.000			696.713		
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-			-			47.468			51.463			-			51.463		
Total Obligation Authority <i>(\$ in Millions)</i>				0.000			0.000			47.468			748.176			0.000			748.176		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>				-			-			57.749			133.541			-			133.541		
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-			-			-			186,045.250			-			186,045.250		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Engines/ Accessories ⁽¹⁾	-	-	-	-	-	-	-	-	-	-	-	18.645	-	-	-	-	-	18.645			
1.1.2) Airframe/CFE + (t) ⁽²⁾	-	-	-	-	-	-	-	-	-	103,892.250	4	415.569	-	-	-	103,892.250	4	415.569			
1.1.3) GFE Avionics ⁽³⁾	-	-	-	-	-	-	-	-	-	-	-	7.690	-	-	-	-	-	7.690			
1.1.4) CFE/Avionics ⁽⁴⁾	-	-	-	-	-	-	-	-	-	-	-	53.236	-	-	-	-	-	53.236			
1.1.5) REC Flyaway ECO ⁽⁵⁾	-	-	-	-	-	-	-	-	-	-	-	41.415	-	-	-	-	-	41.415			
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	536.555	-	-	-	-	-	536.555			
Non Recurring Cost																					
1.2.1) NRE ⁽⁶⁾	-	-	-	-	-	-	-	-	-	-	-	8.700	-	-	-	-	-	8.700			
1.2.2) Tooling ⁽⁷⁾	-	-	-	-	-	-	-	-	-	-	-	55.327	-	-	-	-	-	55.327			
1.2.3) Other Costs ⁽⁸⁾	-	-	-	-	-	-	-	-	-	-	-	4.611	-	-	-	-	-	4.611			
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	68.638	-	-	-	-	-	68.638			
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	-	-	-	605.193	-	-	-	-	-	605.193			
Support Cost																					
2.1) Airframe PGSE ⁽⁹⁾	-	-	-	-	-	-	-	-	-	-	-	85.620	-	-	-	-	-	85.620			
2.2) Peculiar Training Equip ⁽¹⁰⁾	-	-	-	-	-	-	-	-	-	-	-	20.410	-	-	-	-	-	20.410			

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0449 / MQ-25						Item Number / Title [DODIC]: 1 / MQ-25						
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.3) Production Support (11)	-	-	-	-	-	-	-	-	-	-	-	32.370	-	-	-	-	-	32.370
2.4) Publication Tech Data (12)	-	-	-	-	-	-	-	-	-	-	-	0.588	-	-	-	-	-	0.588
Subtotal: Support Cost	-	-	-	-	-	-	-	-	-	-	-	138.988	-	-	-	-	-	138.988
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	-	-	0.000	186,045.250	4	744.181	-	-	0.000	186,045.250	4	744.181

(t) indicates the presence of a P-5a

Footnotes:

- (1) Engine/Accessories: Supports engines and accessories for four LRIP Lot 1 aircraft, based on the current program estimate and schedule.
- (2) Airframe/CFE: Supports procurement of four LRIP Lot 1 aircraft based on the current program estimate and schedule.
- (3) GFE Avionics: Supports GFE for four LRIP Lot 1 aircraft based on the current program estimate and schedule. GFE estimate includes ARC-210 radios, Bomb Rack Units (BRU), digital network equipment (i.e. ADNS) , information distribution system (i.e. MIDS JTRS).
- (4) CFE/Avionics: Supports procurement of CFE Avionics components four LRIP Lot 1 aircraft based on the current program estimate and schedule.
- (5) Rec Flyaway ECO: ECO funding required to address design changes and incorporate into the production line. MQ-25 ECO is estimate as a percentage based off the total LRIP Lot 1 procurement. MQ-25 is a new development program therefore, in accordance with other historical program phasing, 8% was used in the first year to account for correction of deficiencies found during EMD.
- (6) NRE: Supports supplier production line improvements.
- (7) Tooling: Supports the procurement of airframe production and supplier tooling in alignment with the current production ramp. Tooling is required for prime back shop and final assembly, as well as the supplier base components. Estimate is based on the current program estimate and schedule.
- (8) Other Costs: Supports ground/host-ground segment software, UAV system Integration, Assembly, Test and Checkout (IAT&C), system test and evaluation, and obsolescence. Supports current program estimate and schedule.
- (9) Airframe PGSE: Airframe PGSE Supports the phased approach of PGSE stand-up to include Common and Peculiar Support Equipment and hardware for Intermediate/Depot level stand up.
- (10) Peculiar Training Equip: Requirements align to MQ-25 squadron stand-up schedule. FY23 procurement includes funding two Ground Control Stations for the Fleet Replacement Squadron at Pt. Mugu, CA.
- (11) Production Support: Production Support requirements are annualized efforts required to provide acquisition support, aircraft configuration management, integrated logistics planning and analysis, and engineering support for production.
- (12) Publication Tech Data: Procures data rights to produce source data in support of development of I and D level technical publications. Requirements are aligned with I and D level stand-up plans.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:				Item Number / Title [DODIC]:				
1506N / 04 / 1				0449 / MQ-25				1 / MQ-25				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) Airframe/CFE ^{*(†)}		2023	Boeing Co / St. Louis/MO	C / TBD	PAX RIVER	Aug 2023	Aug 2025	4	103,892.250	N	Mar 2022	Apr 2022
Advance Procurement												
CFE - Airframe		2022	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Apr 2022	Jul 2025	4	6,137.720	Y		Feb 2022
CFE - Airframe		2023	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2022	Jul 2026	4	3,904.500	Y		Aug 2022
CFE - Airframe		2024	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2023	Jul 2027	4	3,685.000	Y		Aug 2023
CFE - Airframe		2025	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2024	Jul 2028	4	3,737.000	Y		Aug 2024
CFE - Airframe		2026	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2025	Jul 2029	4	3,789.500	Y		Aug 2025
CFE - Airframe		2027	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2026	Jul 2030	4	1,015.500	Y		Aug 2026
CFE - Engines		2022	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Apr 2022	Jul 2025	4	4,661.270	Y		Feb 2022
CFE - Engines		2023	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2022	Jul 2026	4	4,769.070	Y		Aug 2022
CFE - Engines		2024	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2023	Jul 2027	4	4,881.350	Y		Aug 2023
CFE - Engines		2025	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2024	Jul 2028	4	4,999.650	Y		Aug 2024
CFE - Engines		2026	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2025	Jul 2029	4	5,121.770	Y		Aug 2025
CFE - Engines		2027	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2026	Jul 2030	4	8,809.610	Y		Aug 2026
CFE - Avionics		2022	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Apr 2022	Jul 2025	4	1,068.010	Y		Feb 2022
CFE - Avionics		2023	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2022	Jul 2026	4	2,603.000	Y		Aug 2022
CFE - Avionics		2024	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2023	Jul 2027	4	2,456.750	Y		Aug 2023
CFE - Avionics		2025	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2024	Jul 2028	4	2,491.250	Y		Aug 2024
CFE - Avionics		2026	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2025	Jul 2029	4	2,526.250	Y		Aug 2025
CFE - Avionics		2027	Boeing Co. / St. Louis, MO	C / TBD	PAX RIVER	Dec 2026	Jul 2030	4	677.000	Y		Aug 2026
GFE - Avionics - ANTS		2023	NIWC / San Diego, CA	C / TBD	PAX RIVER	Jun 2023	Jun 2025	4	573.750	Y		Jan 2023
GFE - Avionics - ANTS		2024	NIWC / San Diego, CA	C / TBD	PAX RIVER	Jun 2024	Jun 2026	4	585.230	Y		Jan 2024
GFE - Avionics - ANTS		2025	NIWC / San Diego, CA	C / TBD	PAX RIVER	Jun 2025	Jun 2027	4	596.930	Y		Jan 2025
GFE - Avionics - ANTS		2026	NIWC / San Diego, CA	C / TBD	PAX RIVER	Jun 2026	Jun 2028	4	608.870	Y		Jan 2026
GFE - Avionics - ANTS		2027	NIWC / San Diego, CA	C / TBD	PAX RIVER	Jun 2027	Jun 2029	4	1,044.460	Y		Jan 2027
GFE - Other		2023	Microchip Technology / Boulder, CO	C / TBD	PAX RIVER	Jun 2023	Dec 2024	4	75.000	Y		Jan 2023
GFE - Other		2024	Microchip Technology / Boulder, CO	C / TBD	PAX RIVER	Jun 2024	Dec 2025	4	76.500	Y		Jan 2024
GFE - Other		2025	Microchip Technology / Boulder, CO	C / TBD	PAX RIVER	Jun 2025	Dec 2026	4	78.030	Y		Jan 2025
GFE - Other		2026	Microchip Technology / Boulder, CO	C / TBD	PAX RIVER	Jun 2026	Dec 2027	4	79.590	Y		Jan 2026
GFE - Other		2027	Microchip Technology / Boulder, CO	C / TBD	PAX RIVER	Jun 2027	Dec 2028	4	136.420	Y		Jan 2027
GFE - Avionics - MIDS/JTRS		2023	VIASAT / Carlsbad, CA	C / TBD	PAX RIVER	Jun 2023	Jun 2025	4	485.000	Y		Jan 2023
GFE - Avionics - MIDS/JTRS		2024	VIASAT / Carlsbad, CA	C / TBD	PAX RIVER	Jun 2024	Jun 2026	4	494.700	Y		Jan 2024
GFE - Avionics - MIDS/JTRS		2025	VIASAT / Carlsbad, CA	C / TBD	PAX RIVER	Jun 2025	Jun 2027	4	504.590	Y		Jan 2025
GFE - Avionics - MIDS/JTRS		2026	VIASAT / Carlsbad, CA	C / TBD	PAX RIVER	Jun 2026	Jun 2028	4	514.690	Y		Jan 2026

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0449 / MQ-25				Item Number / Title [DODIC]: 1 / MQ-25				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE - Avionics - MIDS/JTRS		2027	VIASAT / Carlsbad, CA	C / TBD	PAX RIVER	Jun 2027	Jun 2029	4	883.260	Y		Jan 2027
GFE - Avionics ARC 210		2023	Collins / Cedar Rapids, IA	C / TBD	PAX RIVER	Jun 2023	Jun 2025	4	455.500	Y		Jan 2023
GFE - Avionics ARC 210		2024	Collins / Cedar Rapids, IA	C / TBD	PAX RIVER	Jun 2024	Jun 2026	4	464.830	Y		Jan 2024
GFE - Avionics ARC 210		2025	Collins / Cedar Rapids, IA	C / TBD	PAX RIVER	Jun 2025	Jun 2027	4	475.950	Y		Jan 2025
GFE - Avionics ARC 210		2026	Collins / Cedar Rapids, IA	C / TBD	PAX RIVER	Jun 2026	Jun 2028	4	489.380	Y		Jan 2026
GFE - Avionics ARC 210		2027	Collins / Cedar Rapids, IA	C / TBD	PAX RIVER	Jun 2027	Jun 2029	4	840.360	Y		Jan 2027

(†) indicates the presence of a P-21

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:													Item Number / Title [DODIC]:												
1506N / 04 / 1							0449 / MQ-25													1 / MQ-25												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2023										Fiscal Year 2024													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP	
1.1.2) Airframe/CFE * ⁽²⁾																																
	1	2023	NAVY	4	0	4											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0449 / MQ-25										Item Number / Title [DODIC]: 1 / MQ-25												
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2025										Fiscal Year 2026													BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025										Calendar Year 2026															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG		SEP	
1.1.2) Airframe/CFE * ⁽²⁾																																
	1	2023	NAVY		4	0	4	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	1					0	
								OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0449 / MQ-25				Item Number / Title [DODIC]: 1 / MQ-25			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing Co - St. Louis/MO			TBD	0	10	24	34	0	5	29	34

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0449 / MQ-25					
Program Elements for Code B Items: N/A							Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	-	47.468	51.463	-	51.463	50.577	51.534	52.520	53.626	522.361	829.549
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	-	47.468	51.463	-	51.463	50.577	51.534	52.520	53.626	522.361	829.549
Total Obligation Authority (<i>\$ in Millions</i>)	-	-	47.468	51.463	-	51.463	50.577	51.534	52.520	53.626	522.361	829.549

Description:

The MQ-25 program provides an unmanned capability to embark on CVNs as part of the Carrier Air Wing (CVW) to conduct aerial refueling as a primary mission and provide Intelligence, Surveillance, Reconnaissance (ISR) capability as a secondary mission. MQ-25 extends CVW mission effectiveness range, partially mitigates the current Carrier Strike Group (CSG) organic ISR shortfall and fills the future CVW-tanker gap, mitigating Strike Fighter shortfall and preserving F/A-18E/F Fatigue Life for its primary missions. As the first carrier-based, group 5 Unmanned Aircraft System (UAS), MQ-25 pioneers the integration of manned and unmanned operations, demonstrates mature complex sea-based Command, Control, Communications, Computers, and Intelligence (C4I) UAS technologies, and paves the way for future multifaceted multi-mission UAS to pace emerging threats.

MQ-25 is designed to conduct aerial refueling and ISR missions. MQ-25 will have the ability to refuel all carrier based fixed wing aircraft and pass sensor data to other aircraft, naval vessels, and ground forces. Sensor data is transmitted at appropriate classification levels, to exploitation nodes afloat and ashore (e.g. Distributed Common Ground System - Navy). The MQ-25 system is sustainable onboard an aircraft carrier, as well as ashore, and is designed to minimize the logistics footprint.

MQ-25 achieves these capabilities through the use of a carrier-suitable, semi-autonomous, unmanned Air Segment and the UCA Mission Control System (UMCS) that provides CVN infrastructure modifications and hardware to support MQ-25 operations aboard all NIMITZ class carriers (except CVN 68), all delivered and planned FORD class carriers, and operational shore sites. The Government is the Lead Systems Integrator (LSI), providing government-led system of systems integration for the MQ-25 Program. The program coordinates across all segments and with external stakeholders to ensure program activities are synchronized. MQ-25 interfaces with existing ship and land-based command and control systems, including ISR Tasking, Collection, Processing, Exploitation, and Dissemination systems.

UNCLASSIFIED

Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2023 Navy							Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					P-1 Line Item Number / Title: 0449 / MQ-25				
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A									
Exhibits Schedule				Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-10	1 / MQ-25			- / -	- / -	- / 47.468	4 / 51.463	- / -	4 / 51.463
P-40	Total Gross/Weapon System Cost			- / -	- / -	- / 47.468	4 / 51.463	- / -	4 / 51.463
*Title represents the P-10 Title for Advance Procurement.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									

Justification:
 FY 2023 requests Advance Procurement to support long lead requirements for 4 LRIP aircraft in FY 2024. The Advanced Acquisition Contracts (AAC) award is planned for December 2022. Procurement of long-lead items is determined based upon need dates for materials/components incorporation into the production line build sequence. The tentative items planned to support the AAC efforts include but are not limited to; landing gear and components, engine and engine nozzles, composite skins, hook keels, hand forgings, fuel and hydraulic pumps, inner wing fold fitting, inner wing pylon post, wing fold and REFCAS, wing skins, hand forgings wing root fitting, VMSC, SCU, EO-IR, pylon hook, MMSC, tail actuators, generators, digital network equipment, information distribution system, raw materials such as titanium, and assorted mission systems components.

Full funding for every end item requesting advance procurement is included in the budget submission.

The Department of the Navy certifies that the balance of the funds for end items is included in the budget submission.

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2023 Navy					Date: April 2022	
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0449 / MQ-25		P-5 Number / Title: 1 / MQ-25	
First System (2023) Award Date: January 2013		First System (2023) Completion Date: January 2013		Interval Between Systems: 0 Months		
MQ-25		Production Leadtime <i>(Months)</i>	Prior Years <i>(Each)</i>	FY 2021 <i>(Each)</i>	FY 2022 <i>(Each)</i>	FY 2023 <i>(Each)</i>
Quantity			-	-	-	4
Cost Elements		When Required <i>(Months)</i>	Prior Years <i>(\$ M)</i>	FY 2021 <i>(\$ M)</i>	FY 2022 <i>(\$ M)</i>	FY 2023 <i>(\$ M)</i>
CFE						
CFE - Airframe ⁽²⁴⁾ (†)		0	-	-	24.551	15.618
CFE - Engines ⁽²⁵⁾ (†)		0	-	-	18.645	19.076
CFE - Avionics ⁽²⁶⁾ (†)		0	-	-	4.272	10.412
Total: CFE			-	-	47.468	45.106
GFE						
GFE - Avionics - ANTS ⁽²⁷⁾ (†)		0	-	-	-	2.295
GFE - Other ⁽²⁸⁾ (†)		0	-	-	-	0.300
GFE - Avionics - MIDS/JTRS ⁽²⁹⁾ (†)		0	-	-	-	1.940
GFE - Avionics ARC 210 ⁽³⁰⁾ (†)		0	-	-	-	1.822
Total: GFE			-	-	-	6.357
Total Advance Procurement/Obligation Authority			-	-	47.468	51.463

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy					Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1		P-1 Line Item Number / Title: 0449 / MQ-25			P-5 Number / Title: 1 / MQ-25		
Cost Elements	QPA <i>(Each)</i>	FY 2023					
		Production Leadtime <i>(Months)</i>	Unit Cost <i>(\$ K)</i>	Contract Forecast Date	2023 Qty <i>(Each)</i>	For FY	Total Cost Request <i>(\$ M)</i>
CFE							
CFE - Airframe ⁽²⁴⁾ (†)	0	39	3,904.500	Dec 2022	4		15.618
CFE - Engines ⁽²⁵⁾ (†)	0	39	4,769.070	Dec 2022	4		19.076
CFE - Avionics ⁽²⁶⁾ (†)	0	39	2,603.000	Dec 2022	4		10.412
Total: CFE							45.106
GFE							
GFE - Avionics - ANTS ⁽²⁷⁾ (†)	0	24	573.750	Jun 2023	4		2.295
GFE - Other ⁽²⁸⁾ (†)	0	18	75.000	Jun 2023	4		0.300
GFE - Avionics - MIDS/JTRS ⁽²⁹⁾ (†)	0	24	485.000	Jun 2023	4		1.940
GFE - Avionics ARC 210 ⁽³⁰⁾ (†)	0	24	455.500	Jun 2023	4		1.822
Total: GFE							6.357
Total Advance Procurement/Obligation Authority							51.463
<p>Description: FY 2023 requests Advance Procurement to support long lead requirements for 4 LRIP aircraft in FY 2024. The planned Advanced Acquisition Contracts (AAC) award is planned for December 2022.</p> <p>Procurement of long-lead items is determined based upon need dates for materials/components incorporation into the production line build sequence.</p> <p>The Department of the Navy certifies that the balance of the funds for end items is included in the budget submission.</p> <p>(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.</p> <p>Footnotes: ⁽²⁴⁾ Updates support budget, cost estimate and schedule. CFE - Airframe long lead production could include (but is not limited to) the following items and suppliers: Skins/Aurora, Hand Forgings AFT - Hook Keels/ATI Specialty Materials, Hand Forgings/Sierra Alloys, Landing Gear Components/Safran, Landing Gear/Heroux Devtek, Inner Wing Fold Fitting/Shultz, Inner Wing Pylon Post/Arconic, Wing Fold and REFCAS/Moog, Wing Skins/Aurora, Hand Forgings Wing Root Fitting/ATI Specialty Materials, Pylon Hook/Orizon Aerostructures, Hydraulic Pumps/Parker, Tail Actuators/Parker ⁽²⁵⁾ Updates support budget, cost estimate and schedule. CFE - Engines long lead production could include (but is not limited to) the following items and suppliers: Fuel Pumps/Parker Hannifin, Engine Nozzle/Boeing-Auburn, Engine/Rolls Royce ⁽²⁶⁾ Updates support budget, cost estimate and schedule. CFE - Avionics long lead production could include (but is not limited to) the following items and suppliers: VMSC/BAE, SCU/GE Aviation, EO-IR/Raytheon, MMSC/Harris, Generators/Safran ⁽²⁷⁾ Long lead ANTS GFE ⁽²⁸⁾ GFE Other - Includes, but not limited to, NAVAIR Tactical Collection System (NCTS), C-CRPA, CCM, Impulse Cartridge</p>							

UNCLASSIFIED

Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2023 Navy		Date: April 2022
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1	P-1 Line Item Number / Title: 0449 / MQ-25	P-5 Number / Title: 1 / MQ-25
<div>(29) Long lead MIDS/JTRS GFE</div> <div>(30) Long lead ARC-210 GFE</div>		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS						
ID Code (A=Service Ready, B=Not Service Ready): A				Program Elements for Code B Items: 0207257N					Other Related Program Elements: 0603128N			
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	-	-	8	5	-	5	5	-	-	-	-	18
Gross/Weapon System Cost (<i>\$ in Millions</i>)	0.000	0.000	272.666	103.882	0.000	103.882	89.081	14.919	9.760	10.212	78.650	579.170
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	0.000	0.000	272.666	103.882	0.000	103.882	89.081	14.919	9.760	10.212	78.650	579.170
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.000	272.666	103.882	0.000	103.882	89.081	14.919	9.760	10.212	78.650	579.170
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	0.895	79.875	-	79.875	95.137	100.422	54.671	20.000	Continuing	Continuing
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	30,768.125	7,692.200	-	7,692.200	4,582.400	-	-	-	-	18,557.111
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	34,083.250	20,776.400	-	20,776.400	17,816.200	-	-	-	-	32,176.111

Description:

The Marine Air Ground Task Force (MAGTF) Unmanned Aircraft System (UAS) Expeditionary (MUX) Medium Altitude Long Endurance (MALE) line item provides for the procurement of air vehicles, ground support equipment, sensors, government furnished equipment required for end item procurements, technical publications, training and various payloads required to address capability gaps identified in the October 2016 MUX ICD and associated Requirements Clarification document. MALE, the first MUX FoS element, is a land-based Group 5 UAS scheduled to begin operating in FY23. MALE provides direct support to the Marine Littoral Regiment (MLR) in peer-to-peer conflict. It will provide stand-off sensing and Command, Control, Communication, and Computers (C4) capabilities, while supporting numerous low-cost stand-in Marine Air-Ground Task Force (MAGTF) assets. It will enhance the MLR's domain awareness and survivability, while broadening its sea-control/sea-denial capabilities.

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS				
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: 0207257N			Other Related Program Elements: 0603128N				
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / Marine Group 5 UAS	P-5a, P-21			- / 0.000	- / 0.000	8 / 272.666	5 / 103.882	- / 0.000	5 / 103.882
P-40	Total Gross/Weapon System Cost				- / 0.000	- / 0.000	8 / 272.666	5 / 103.882	- / 0.000	5 / 103.882
<small>*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.</small>										
<small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small>										

Justification:
 FY23 air vehicle quantities reflects production assets that will be transferred from the USAF to USMC custody per requirements determination by OSD. FY24 air vehicles will also be obtained through a transfer of assets from the USAF production inventory. In total (10) ten air vehicles will be accepted by the USMC. FY23 provides funding to procure Ground Controls Stations (GCS), provisions for mission control management, support equipment, networking and communications infrastructure, SATCOM and terrestrial network connectivity, training devices, and site stand up at designated locations.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy												Date: April 2022						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS						Item Number / Title [DODIC]: 1 / Marine Group 5 UAS						
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				-		-		8		5		-		5				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				0.000		0.000		272.666		103.882		0.000		103.882				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				0.000		0.000		272.666		103.882		0.000		103.882				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				0.000		0.000		272.666		103.882		0.000		103.882				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		-		0.895		79.875		-		79.875				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				-		-		34,083.250		20,776.400		-		20,776.400				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ⁽¹⁾	-	-	-	-	-	-	19,095.148	8	152.761	0.000	5	0.000	-	-	-	0.000	5	0.000
1.1.2) Payload/Mission System CFE ⁽²⁾	-	-	-	-	-	-	-	-	14.486	-	-	2.500	-	-	-	-	-	2.500
1.1.3) GFE Electronics ⁽³⁾	-	-	-	-	-	-	-	-	26.200	-	-	0.250	-	-	-	-	-	0.250
1.1.4) Rec Flyaway ECO ⁽⁴⁾	-	-	-	-	-	-	-	-	5.860	-	-	3.001	-	-	-	-	-	3.001
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	199.307	-	-	5.751	-	-	-	-	-	5.751
Non Recurring Cost																		
1.2.1) Ancillary Equip ⁽⁵⁾	-	-	-	-	-	-	-	-	46.838	-	-	32.710	-	-	-	-	-	32.710
Subtotal: Non Recurring Cost	-	-	-	-	-	-	-	-	46.838	-	-	32.710	-	-	-	-	-	32.710
Subtotal: Flyaway Cost	-	-	-	-	-	-	-	-	246.145	-	-	38.461	-	-	-	-	-	38.461
Support Cost																		
2.1) Airframe PGSE ⁽⁶⁾	-	-	-	-	-	-	-	-	8.110	-	-	5.514	-	-	-	-	-	5.514
2.2) Pec Trng Eq ⁽⁷⁾	-	-	-	-	-	-	-	-	6.430	-	-	36.395	-	-	-	-	-	36.395
2.3) Pubs/Tech Equipment Data ⁽⁸⁾	-	-	-	-	-	-	-	-	2.463	-	-	2.493	-	-	-	-	-	2.493

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1							P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS						Item Number / Title [DODIC]: 1 / Marine Group 5 UAS					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.4) Other ILS ⁽⁹⁾	-	-	-	-	-	-	-	-	3.592	-	-	12.882	-	-	-	-	-	12.882
2.5) Prod Eng Supt ⁽¹⁰⁾	-	-	-	-	-	-	-	-	5.926	-	-	8.137	-	-	-	-	-	8.137
Subtotal: Support Cost	-	-	-	-	-	-	-	-	26.521	-	-	65.421	-	-	-	-	-	65.421
Gross/Weapon System Cost	-	-	0.000	-	-	0.000	34,083.250	8	272.666	20,776.400	5	103.882	-	-	0.000	20,776.400	5	103.882

(t) indicates the presence of a P-5a

Footnotes:

(1) Airframe CFE consists of system-level components associated with the airframe, propulsion, and vehicle subsystems components. Airframe unit cost pricing is based on the established USAF contract pricing factors, which account for quantity price curves. The program will fulfill air vehicle quantities previously planned in FY23 (QTY 5) and FY24 (QTY 5) through the transfer of assets from the USAF new production quantities.

(2) FY23 decrease is due the previously planned Payload/Mission System CFE that will no longer be required from the OEM and will be acquired through the USAF transfer. Payload/Mission System CFE consists of Payload Integration, Assembly, and Checkout (POD Installs), SkyTower CFE, Radar CFE, and communications relay sensors. Payload/Mission System GFE consists of Payload Integration, Assembly, and Checkout (Fuel Tank Installs), MTS-D Multispectral Targeting System, COMSEC Module, GFP for Mesh Network Manager, Pylons, Launcher, IR Camera, VORTEX Kit, daylight Camera Assembly, and Transmitter/receiver.

(3) FY23 decrease is due the previously planned GFE Electronics that will no longer be required from the OEM and will be acquired through the USAF transfer. GFE Electronics consists of system level components associated with SkyTower, MTS Multispectral Targeting System capabilities and subsystem components. FY23 in costs is attributable to remaining GFE procurements adjusted based on USAF air vehicle transfer.

(4) FY23 decrease is due to the revised estimate for projected ECO based on anticipated production mods. Due to the USAF transfer of assets. ECO supports in production modifications necessary to support Extended Range configuration, and ensure all air vehicles are of the same block configuration.

(5) FY23 decrease is due to cost difference between Fixed and Mobile Ground Control Stations, as well as the quantity procured. FY22 consists of fixed GCS procurements, while FY23 consists of mobile GCS procurements. Ancillary Equipment consists of the Ground/Host Segment which includes a mission control Operations Center, Ground Data Terminal (GDT) Ground Control Station (GCS), and Ground Support Equipment (GSE).

(6) The Airframe PGSE line reflects required investments to establish an organic operational- and intermediate-level maintenance capability.

(7) FY23 increased due to USAF asset transfer, and the acceleration of air vehicle availability, which will require an acceleration of training requirements. Peculiar Training Equipment consists of Mission System Trainers, including Operator Instructional Equipment.

(8) Technical Publications required to support USMC capabilities. FY22 publication and technical data requirements support air vehicles with costs shared with USAF based on already established data available to the USAF. FY23 includes mission systems publications and technical data, in addition to air vehicle.

(9) FY23 increased due to USAF asset transfer, and the acceleration of air vehicle availability, which leads to an accelerated posture for logistic support activities.

(10) FY23 increase is due to additional Production Engineering support associated with Aircraft, Ancillary equipment, and Avionics in preparation of system deliveries and fielding.

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS				Item Number / Title [DODIC]: 1 / Marine Group 5 UAS				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2022 ⁽¹¹⁾	General Atomics Aeronautical / Poway, CA 92064	SS / IDIQ	Wright Patterson Airforce Base	Apr 2022	Jun 2023	8	19,095.148	N	Mar 2022	Sep 2021
1.1.1) Airframe/CFE ^(†)		2023	General Atomics Aeronautical / Poway, CA 92064	SS / IDIQ	Wright Patterson Airforce Base	Jan 2023	Mar 2025	5	0.000	N	Mar 2022	Sep 2022

^(†) indicates the presence of a P-21

Footnotes:

⁽¹¹⁾ The MALE procurement strategy implements an assisted acquisition by the USAF through an established USAF Indefinite Delivery /Indefinite Quantity (IDIQ).

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS										Item Number / Title [DODIC]: 1 / Marine Group 5 UAS																
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2022										Fiscal Year 2023														BALANCE					
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022										Calendar Year 2023																			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						
1.1.1) Airframe/CFE ⁽¹⁾																																				
	1	2022	NAVY	8	0	8						A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	6			
	1	2023	NAVY	5	0	5															A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP						

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS										Item Number / Title [DODIC]: 1 / Marine Group 5 UAS													
Cost Elements (Units in Each)							Fiscal Year 2024										Fiscal Year 2025														BALANCE		
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024										Calendar Year 2025																
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1.1) Airframe/CFE ⁽¹⁾																																	
	1	2022	NAVY	8	2	6	-	-	-	-	1	1	2	2																			0
	1	2023	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1							0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS				Item Number / Title [DODIC]: 1 / Marine Group 5 UAS			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Atomics Aeronautical - Poway, CA 92064	16	20	24	0	6	14	20	0	3	26	29

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy										Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft							P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo					
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0604273N, 0604273M				Other Related Program Elements: 0901212M				
Line Item MDAP/MAIS Code: 429												
Resource Summary	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	12	5	-	-	-	-	-	-	-	-	-	17
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,289.913	577.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,867.551
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	1,289.913	577.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,867.551
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,289.913	577.638	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	1,867.551
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	160.320	-	-	-	-	-	-	-	-	-	160.320
Flyaway Unit Cost (<i>\$ in Thousands</i>)	89,309.583	92,687.400	-	-	-	-	-	-	-	-	-	90,303.059
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	107,492.750	115,527.600	-	-	-	-	-	-	-	-	-	109,855.941
Description: The VH-92A is the replacement helicopter for the VH-3D and the VH-60N, the aircraft currently used by Marine Helicopter Squadron One (HMX-1) for the safe and timely transportation of the President, Vice President, and other distinguished officials as directed by the White House Military Office (WHMO). The global nature of these commitments requires HMX-1 aircraft to deploy worldwide and operate in varying environmental and climate conditions without mission degradation. This funding supports the procurement of the aircraft, mission equipment, technical data and publications, support equipment, logistics support and production engineering support. The VH-92A program conducted a successful Milestone C review on 30 May 2019. The ADM was signed on 7 June 2019. The Budget has been updated to reflect the validated and approved MS-C Component Cost Position.												

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2023 Navy								Date: April 2022		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft						P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo				
ID Code (A=Service Ready, B=Not Service Ready): B				Program Elements for Code B Items: 0604273N, 0604273M			Other Related Program Elements: 0901212M			
Line Item MDAP/MAIS Code: 429										
Exhibits Schedule					Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	1 / VH-92A Executive Helo	P-5a, P-21			12 / 1,289.913	5 / 577.638	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-40	Total Gross/Weapon System Cost				12 / 1,289.913	5 / 577.638	- / 0.000	- / 0.000	- / 0.000	- / 0.000
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:
There is no budget request for FY 2023. FY 2021 is the last year of funding.

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo							Item Number / Title [DODIC]: 1 / VH-92A Executive Helo					
ID Code (A=Service Ready, B=Not Service Ready) :									MDAP/MAIS Code:									
Resource Summary				Prior Years		FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 Total				
Procurement Quantity <i>(Units in Each)</i>				12		5		-		-		-		-				
Gross/Weapon System Cost <i>(\$ in Millions)</i>				1,289.913		577.638		0.000		0.000		0.000		0.000				
Less PY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Net Procurement (P-1) <i>(\$ in Millions)</i>				1,289.913		577.638		0.000		0.000		0.000		0.000				
Plus CY Advance Procurement <i>(\$ in Millions)</i>				-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>				1,289.913		577.638		0.000		0.000		0.000		0.000				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares <i>(\$ in Millions)</i>				-		160.320		-		-		-		-				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>				107,492.750		115,527.600		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE ^(†)	76,849.583	12	922.195	78,404.000	5	392.020	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) Mission Equipment CFE	-	-	49.069	-	-	26.706	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) Mission Equipment GFE	-	-	85.130	-	-	34.009	-	-	-	-	-	-	-	-	-	-	-	
1.1.4) Engines/Engine ACC	-	-	12.055	-	-	0.874	-	-	-	-	-	-	-	-	-	-	-	
1.1.5) Rec Flyaway ECO	-	-	-	-	-	2.489	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	1,068.449	-	-	456.098	-	-	-	-	-	-	-	-	-	-	-	
Non Recurring Cost																		
1.2.1) Other Non-Recurring	-	-	3.266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2.2) Production Line Shutdown	-	-	-	-	-	7.339	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Non Recurring Cost	-	-	3.266	-	-	7.339	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Flyaway Cost	-	-	1,071.715	-	-	463.437	-	-	-	-	-	-	-	-	-	-	-	
Support Cost																		
2.1) Airframe PGSE	-	-	63.746	-	-	11.228	-	-	-	-	-	-	-	-	-	-	-	
2.2) Engine PGSE	-	-	1.382	-	-	2.280	-	-	-	-	-	-	-	-	-	-	-	
2.3) Avionics PGSE	-	-	0.194	-	-	0.968	-	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-5, Cost Analysis: PB 2023 Navy													Date: April 2022					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1						P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo							Item Number / Title [DODIC]: 1 / VH-92A Executive Helo					
ID Code (A=Service Ready, B=Not Service Ready) :										MDAP/MAIS Code:								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2021			FY 2022			FY 2023 Base			FY 2023 OCO			FY 2023 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
2.4) Pec Trng Eq	-	-	19.253	-	-	4.601	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Pubs/Tech Data	-	-	12.557	-	-	4.197	-	-	-	-	-	-	-	-	-	-	-	-
2.6) Production Engineering Support	-	-	76.352	-	-	70.030	-	-	-	-	-	-	-	-	-	-	-	-
2.7) Other/ILS	-	-	44.714	-	-	20.897	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	-	-	218.198	-	-	114.201	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost	107,492.750	12	1,289.913	115,527.600	5	577.638	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

(t) indicates the presence of a P-5a

UNCLASSIFIED

Exhibit P-5a, Procurement History and Planning: PB 2023 Navy								Date: April 2022				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo				Item Number / Title [DODIC]: 1 / VH-92A Executive Helo				

Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE ^(†)		2019 ⁽¹⁾	Sikorsky A/C Corp / Stratford, CT	C / FFP	NAVAIR, Patuxent River, MD	Jun 2019	Nov 2021	6	78,018.555	Y		Apr 2017
1.1.1) Airframe/CFE ^(†)		2020	Sikorsky A/C Corp / Stratford, CT	C / FFP	NAVAIR, Patuxent River, MD	Feb 2020	Jul 2022	6	75,680.667	Y		Apr 2017
1.1.1) Airframe/CFE ^(†)		2021	Sikorsky A/C Corp / Stratford, CT	C / FFP	NAVAIR, Patuxent River, MD	Feb 2021	May 2023	5	78,404.000	Y		Apr 2017

^(†) indicates the presence of a P-21

Footnotes:

⁽¹⁾ Aircraft #7-10 reflect actual delivery dates, the remaining aircraft reflect contract delivery dates.

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022																		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo										Item Number / Title [DODIC]: 1 / VH-92A Executive Helo																		
Cost Elements (Units in Each)							Fiscal Year 2019										Fiscal Year 2020														BALANCE							
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020																					
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								
1.1.1) Airframe/CFE																																						
	1	2019	NAVY	6	0	6											A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6						
	1	2020	NAVY	6	0	6																					A	-	-	-	-	-	-	-	-	-	-	6
	1	2021	NAVY	5	0	5																															5	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP								

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo										Item Number / Title [DODIC]: 1 / VH-92A Executive Helo													
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2021													Fiscal Year 2022													BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021													Calendar Year 2022													
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			
1.1.1) Airframe/CFE																																	
	1	2019	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	1	-	2								0
	1	2020	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	4		
	1	2021	NAVY	5	0	5					A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5			
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP			

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy																				Date: April 2022											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo										Item Number / Title [DODIC]: 1 / VH-92A Executive Helo											
Cost Elements (Units in Each)							Fiscal Year 2023										Fiscal Year 2024														BALANCE
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024														
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Airframe/CFE																															
	1	2019	NAVY	6	6	0																								0	
	1	2020	NAVY	6	2	4	-	1	1	1	-	1																		0	
	1	2021	NAVY	5	0	5	-	-	-	-	-	-	1	-	1	1	-	1	1											0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

UNCLASSIFIED

Exhibit P-21, Production Schedule: PB 2023 Navy									Date: April 2022			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0455 / VH-92A Executive Helo				Item Number / Title [DODIC]: 1 / VH-92A Executive Helo			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2023	1-8-5 For 2023	MAX For 2023	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sikorsky A/C Corp - Stratford, CT	4	6	8	18	6	25	31	3	4	19	23

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED